

Phytoplankton Monitoring in the Western Isles Region of the Bay of Fundy during 2003-2006

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ABSTRACT

Martin, J.L. and M.M. McGresley. 2014. Phytoplankton monitoring in the Western Isles region of the Bay of Fundy during 2003-2006. Can. Tech. Rep. Fish. Aquat. Sci. 3100: v + 190 p.

A monitoring program was initiated in May 1987 to study phytoplankton populations in the Western Isles region of the Bay of Fundy, southwest New Brunswick. This report provides another four yr of data to add to the results from 1987-2002 published previously. Samples were collected for phytoplankton distribution and abundance at five locations – Brandy Cove, Lime Kiln Bay, Deadmans Harbour, the Wolves Islands and mid Passamaquoddy Bay. Additional parameters measured included plant nutrients (ammonia, nitrite, nitrate, phosphate and silicate), Secchi depth, and depth profiles for fluorescence, temperature and salinity which are documented in a separate report. Samples were collected at the surface from all locations and additional discrete depths of 10 m, 25 m, and 50 m at the Wolves Islands.

Species observed at concentrations $\geq 10\,000$ cells \cdot L $^{-1}$ during all of the four yr (2003 to 2006) were: *Alexandrium fundyense*, *Chaetoceros debilis*, *Chaetoceros socialis*, *Chaetoceros* spp., *Dictyocha speculum*, *Eutreptiella* sp., *Guinardia delicatula*, *Heterocapsa triquetra*, *Leptocylindrus minimus*, *Mesodinium rubrum*, *Pseudo-nitzschia delicatissima* group, *Pseudo-nitzschia seriata* group, and *Skeletonema costatum*. In addition to the previously listed species, there were seven species that occurred at concentrations greater than 100 000 cells \cdot L $^{-1}$ in 2003 and six species that were observed at concentrations greater than 100 000 cells \cdot L $^{-1}$ in 2004 and 2006 while 2005 only had five species above this threshold. There was one group of species, the *P. delicatissima* group that reached concentrations greater than one million cells \cdot L $^{-1}$ in 2005 and 2006. *M. rubrum* and the *P. delicatissima* group have been observed at concentrations greater than 10 000 cells \cdot L $^{-1}$ during all of the past 20 yr. Highest concentrations of *A. fundyense* (the organism responsible for producing paralytic shellfish toxins) observed at our monitoring sites during 2003 were 9.07×10^4 cells \cdot L $^{-1}$ on September 9 at the Wolves Islands. The highest numbers observed during 2004, 2005 and 2006 were 3.19×10^5 cells \cdot L $^{-1}$ on August 3 at the Wolves Islands; 5.2×10^4 cells \cdot L $^{-1}$ on July 12 at Lime Kiln, and 4.9×10^4 cells \cdot L $^{-1}$ at Lime Kiln on July 25, respectively. The years 2003 and 2004 were unusual because massive concentrations of *A. fundyense* (similar to those observed in the late 1970s and 1980) were observed and resulted in salmon mortalities at culture operations.

RÉSUMÉ

Martin, J.L. and M.M. McGresley. 2014. Phytoplankton monitoring in the Western Isles region of the Bay of Fundy during 2003-2006. Can. Tech. Rep. Fish. Aquat. Sci. 3100: v + 190 p.

Un programme de surveillance a été lancé en mai 1987 pour étudier le phytoplancton de la région ouest de la Baie de Fundy, au sud-ouest du Nouveau-Brunswick. Ce rapport ajoute quatre années de données aux résultats déjà publiés des années 1987-2002. Les échantillons d'eau pour la distribution et l'abondance de phytoplancton et de nutriments (silicate, phosphate, nitrate, nitrite et ammoniac) ont été prélevés à cinq emplacements (Brandy Cove, la baie Lime Kiln, Deadmans Harbour, près des îles Wolves et mi-baie Passamaquoddy). Les paramètres additionnels tels que la profondeur du Secchi, le profil en profondeur de la température, de la fluorescence et de la salinité ont été mesurés et publiés dans un rapport supplémentaire. Aux cinq emplacements, les échantillons ont été prélevés à la surface ainsi qu'à 10 m, 25 m et 50 m aux îles Wolves.

Les espèces observées en concentrations $\geq 10\,000$ cellules \cdot L $^{-1}$ pendant chacune des quatre années (2003-2006) étaient: *Alexandrium fundyense*, *Chaetoceros debilis*, *Chaetoceros socialis*, *Chaetoceros* spp., *Dictyocha speculum*, *Eutreptiella* sp., *Guinardia delicatula*, *Heterocapsa triquetra*, *Leptocylindrus minimus*, *Mesodinium rubrum*, le complexe *Pseudo-nitzschia delicatissima*, le complexe *Pseudo-nitzschia seriata*, et *Skeletonema costatum*. En plus, en 2003 sept espèces ont été observé en concentrations $\geq 100\,000$ cellules \cdot L $^{-1}$ tandis qu'en 2004 et 2006 six espèces alors qu'en 2005 cinq espèces ont été noté au-delà de ce seuil. En 2005 et 2006, le complexe *P. delicatissima* atteint une concentration de plus d'un million de cellules \cdot L $^{-1}$. Le complexe *P. delicatissima* et *M. rubrum* ont été observés en concentrations $> 10\,000$ cellules \cdot L $^{-1}$ pendant chacune des 20 dernières années. Les concentrations maximales d'*Alexandrium fundyense* (l'organisme responsable de l'intoxication paralysante par les mollusques) atteignaient 9.07×10^4 cellules \cdot L $^{-1}$ le 9 septembre, 2003 et 3.19×10^5 cellules \cdot L $^{-1}$ le 3 août, 2004 près

des îles Wolves, $5,2 \times 10^4$ cellules \cdot L $^{-1}$ le 12 juillet, 2005 et $4,9 \times 10^4$ cellules \cdot L $^{-1}$ le 25 juillet, 2006, ces deux derniers à la baie de Lime Kiln. Les années 2003 et 2004 étaient inhabituelles car les fortes concentrations d'*A. fundyense* observées (semblable à la fin des années 1970-1980) ont causées des mortalités au saumon d'élevage.

INTRODUCTION

A phytoplankton monitoring program was introduced in the southwestern New Brunswick portion of the Bay of Fundy in 1987. The study was initiated due to growing concerns that the incidents involving harmful algal blooms (HABs) seemed to be increasing in intensity, frequency and geographic distribution throughout the world (Anderson 1989; Smayda 1990; Hallegraeff 1993, 2010; Fu et al. 2012). Incidences such as fish mortalities, especially those held captive in net pens, have also been growing. Some of these increases can be attributed to increased awareness both in the scientific and public communities, as well as the increased use of inshore coastal waters for aquaculture, tourism and other activities.

The purposes of the phytoplankton study when it was initiated were to: establish baseline data on phytoplankton populations since little detailed work had been published since earlier studies by Gran and Braarud (1935); identify harmful algal species that could potentially cause harm to the aquaculture industry; provide an early warning to the industry by sorting and identifying samples soon after collection; and determine patterns and trends in phytoplankton populations. The intent was also to determine whether there are environmental changes as a result of the Atlantic salmon (*Salmo salar*) aquaculture industry that was initiated in the late 1970s. In addition, the monitoring has provided an early warning to regulatory agencies such as the Canadian Food Inspection Agency (CFIA) for the occurrences of species that produce toxins resulting in shellfish toxicities and closures of shellfish beds to harvesting.

HABs have been known to affect fish through either neurotoxins, gill damage (mechanically or through the production of hemolytic substances) or altering dissolved oxygen levels (Anderson et al. 2001). Farmed fish are particularly vulnerable to harmful phytoplankton blooms because they do not have the luxury of being able to swim away to avoid blooms. Adverse effects can include mortality or loss of growth. Due to the economic consequences, monitoring can give fish farmers warning so they can adjust harvesting schedules, delay the entry of smolts and modify feeding schedules (Chang et al. 2005).

Although the majority of phytoplankton species occur in the environment without causing adverse effects, there are a few that are known to cause harm. For example, in the Bay of Fundy,

Alexandrium fundyense and *Pseudo-nitzschia pseudodelicatissima* are species responsible for producing toxins associated with the syndromes paralytic shellfish poisoning (PSP) and amnesic shellfish poisoning (ASP or domoic acid poisoning). In these cases, shellfish that have been feeding on harmful species accumulate toxins with no obvious effects to the shellfish themselves. The toxins are then stored in their tissues and when the shellfish are eaten by vertebrate consumers, including humans, illness and, in some cases death, can result. PSP toxins and resulting shellfish toxicity have been around in the Bay of Fundy for hundreds of years (Prakash et al. 1971, Martin and Richard 1996) and both our studies and PSP shellfish toxicity results show that *A. fundyense* occurs annually (Martin and White 1988; Martin et al. 1999, 2001, 2006a).

A. fundyense has not only been responsible for human illnesses as a result of PSP, but it has also affected fisheries. For example, in 1976 and 1979, hundreds of tonnes of Atlantic herring, *Clupea harengus harengus*, died from PSP toxins that the herring had accumulated through the food chain (White 1980). Atlantic salmon (*Salmo salar*) in net pens were affected by PSP toxins in the Bay of Fundy in 2003 and 2004 (Martin et al. 2006b; 2008; Burridge et al. 2010). In 1987, 14 humpback whales died after feeding on mackerel (*Scomber scombrus*) that had eaten zooplankton that in turn had fed on *A. fundyense* (MacKenzie 1988; Haya et al. 1990). There has been the suggestion that right whales feeding on contaminated zooplankton in Grand Manan Basin could potentially experience a decrease in respiratory capabilities, feeding behaviour and reproductive condition (Durbin et al. 2002).

Domoic acid was first detected in shellfish in the Bay of Fundy in 1988 and the causative species was determined to be *P. pseudodelicatissima* (Martin et al. 1990; Haya et al. 1991). During this event, the shellfish harvesting areas affected were located in Passamaquoddy Bay. It was not until 1995 that shellfish beds were closed again in the Bay of Fundy as a result of unacceptable levels of domoic acid but, in this case, the areas affected were outside Passamaquoddy Bay (Martin et al. 1998).

Results from the earlier years of the monitoring program have been published previously (Wildish et al. 1988, 1990; Martin et al. 1995, 1999, 2001, 2006a, 2014). This report presents results from analyses of phytoplankton, during the 4 yr, 2003 - 2006.

MATERIALS AND METHODS

The number of sampling sites in the southwest New Brunswick area of the Bay of Fundy has changed since the program started in 1987. Initially, 12 sites were sampled with 10 located in the Letang area, where the majority of the aquaculture sites were located at that time, and the remaining two sites were located in Harbour de Lute (Campobello Island), in close proximity to another aquaculture site. The following year, the number of sampling sites expanded to 18, with additional sites in Passamaquoddy Bay around Deer Island, Deadmans Harbour and the offshore site at the Wolves Islands. In 1992, sampling was reduced, due to financial constraints, to the four stations that continue to be monitored today (Fig. 1). These include: Brandy Cove (#17 – a brackish site influenced by the Saint Croix River estuary), Lime Kiln Bay (#3 – Letang estuary where a number of aquaculture sites are located), Deadmans Harbour (#15 – an open bay with offshore influence), and the Wolves Islands (#16 – an offshore indicator site). An extra sampling site (#25) was added in mid-Passamaquoddy Bay in 1999 following observations of brick-red patches of water. Coordinates for the five sampling stations are located in Table 1.

Table 1. Co-ordinates of sampling stations.

Brandy Cove	45 05.01 N	67 05.16 W
Mid-Passamaquoddy Bay	45 04.00 N	66 58.00 W
Lime Kiln	45 03.27 N	66 49.20 W
Deadmans Harbour	45 02.882 N	66 46.644 W
Wolves	44 59.35 N	66 44.20 W

Sampling was conducted during the 4 yr, 2003-2006 aboard the research vessel, PANDALUS III. Weekly samples were collected from: Apr 29 to Oct 28 (2003); May 6 to Nov 2 (2004); May 5 to Oct 28 (2005); and Apr 25 to Oct 31 (2006). Monthly samples were collected during all other months for all years.

A CTD, Seabird Model 25 was used to collect vertical profiles of temperature, salinity and fluorescence at each site. These results are presented in a separate document that also includes nutrient and Secchi depth values (Martin et al. in prep.).

Phytoplankton samples were collected at the surface by bucket from all five stations and at depths of 10 m, 25 m, and 50 m with a Niskin bottle at

station #16. During the summer months a 10 m vertical plankton haul was made with a 20- μ m mesh net, 0.3 m in diameter. A subsample was preserved with formalin:acetic acid (1:1 by volume) for further identification and scanning electron microscope (SEM). In addition, a live sample was taken for identification and culture of selected organisms. Live phytoplankton samples were immediately iced for the return trip to the laboratory.

Sample information and data were recorded according to date, location and depth; as well, an independent identification number was assigned at the time of collection. Information was entered, maintained and accessed in a database.

Water samples (250 mL) were immediately preserved with 5 mL formalin:acetic acid. Later, 50-mL subsamples were settled in Zeiss counting chambers for 16 h. All phytoplankton greater than 5 μ m were identified and enumerated (as cells \cdot L $^{-1}$) using a Nikon inverted microscope. Further identification was done using either a JEOL JSM-5600 SEM or a Hitachi S-2400 SEM. Sample preparation for SEM was as follows: samples were rinsed with 250 mL distilled water (prefiltered 1.3 μ m) onto a 3- μ m (Poretics) polycarbonate filter using a 25-mm Millipore vacuum filtration apparatus. Diatoms were cleaned with the permanganate oxidation method (Hasle and Fryxell 1970) while samples with thin walls and/or unarmoured dinoflagellates were dehydrated in a series of ethanol solutions (20, 50, 70, 85, 95%) prepared with distilled water and absolute ethanol for a minimum of 10 min at each step, finishing with three rinses of 100% ethanol. For the final drying step, three changes of hexamethyldisilazane (HMDS) were used (Bray et al. 1993; Kaczmarek et al. 2000), a minimum of 10 min each, allowing the last rinse to evaporate slowly at room temperature. Filters were mounted on stubs, and then coated with gold-palladium in a Hummer sputtering system.

For species identification purposes, the *P. delicatissima* group includes species of both *P. pseudodelicatissima* and *P. delicatissima*; the *P. seriata* group includes the species *P. multiseriata*, *P. pungens*, *P. fraudulenta*, *P. subpaciifica* and *P. seriata*. *Alexandrium fundyense* cells include all its life cycle stages, and if different stages in its life cycle were observed, they were recorded separately as well. Its life cycle stages include: duplets, triplets, or quadruplets (asexually dividing cells) that are observed early in the bloom, fusing (sexual division where two cells fuse together), planozygotes (large

cells formed from the fusing cells) and cysts or resting spores.

RESULTS

There were a total of 33, 31, 30 and 33 sample days in 2003, 2004, 2005 and 2006, respectively.

Numbers of samples analyzed for phytoplankton density were: 258 (2003), 243 (2004),

237 (2005) and 254 (2006). During the four yr, 206 species of phytoplankton and smaller zooplankton were identified in addition to a listing of groups where species were not identified such as armoured dinoflagellates, unarmoured dinoflagellates, centric and pennate diatoms, ciliates, copepods and tintinnids (Appendix 1). Identification and enumeration results for phytoplankton are listed in Appendix 2. Organisms that were observed at concentrations greater than 10 000 cells•L⁻¹ during the 4 yr are listed in alphabetical order in Table 2.

Table 2. Organisms detected at levels greater than 10 000 cells•L⁻¹. Species $\geq 10\,000$ cells•L⁻¹ are indicated with +, $\geq 100\,000$ ++, and $\geq 1\,000\,000$ +++. *AD refers to samples collected "at depth".

	2003	2004	2005	2006
<i>Alexandrium fundyense</i>	+	++	+	+
<i>Apedinella radians</i>		+		
Armoured dinoflagellate	+		+	+
<i>Asterionellopsis glacialis</i>			+	+
<i>Cerataulina pelagica</i>		+		+
<i>Ceratium lineatum</i>				+
<i>Chaetoceros contortus</i>	+	+		
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>		+		
<i>Chaetoceros debilis</i>	+	+	+	+
<i>Chaetoceros filiformis</i>		+		
<i>Chaetoceros furcellatus</i>	*AD	+		
<i>Chaetoceros pseudocrinitus</i> / <i>furcellatus</i>	++			
<i>Chaetoceros similis</i>		+		+
<i>Chaetoceros simplex</i>	+	+		
<i>Chaetoceros socialis</i>	++	++	++	+
<i>Chaetoceros</i> spp. (Hyalochaete)	+	+	++	+
<i>Cylindrotheca closterium</i>		+	*AD	+
<i>Dactyliosolen fragilissimus</i>		+		++
<i>Dictyocha speculum</i>	++	+	+	+
<i>Ditylum brightwellii</i>	++		++	+
<i>Eucampia zodiacus</i>	+			
<i>Eutintinnus</i> sp.		+		
<i>Eutreptiella</i> sp.	+	+	+	+
<i>Guinardia delicatula</i>	++	+	+	++
<i>Guinardia flaccida</i>		++		
<i>Guinardia striata</i>				+
<i>Gyrodinium</i> spp.		+		
<i>Helicostomella</i> spp.	+			

	2003	2004	2005	2006
<i>Heterocapsa triquetra</i>	++	+	+	+
<i>Lennoxia faveolata</i>			*AD	
<i>Leptocylindrus minimus</i>	+	++	+	+
<i>Membraneis challengeri</i>			+	
<i>Mesodinium rubrum</i>	+	+	+	++
Pennate diatom		*AD		
<i>Phaeocystis pouchetii</i>				+
<i>Pseudo-nitzschia americana</i>	+		+	
<i>Pseudo-nitzschia delicatissima</i> group	++	++	+++	+++
<i>Pseudo-nitzschia fraudulenta</i>				+
<i>Pseudo-nitzschia pseudodelicatissima</i>				*AD
<i>Pseudo-nitzschia pungens</i>				+
<i>Pseudo-nitzschia seriata</i>				+
<i>Pseudo-nitzschia seriata</i> group	+	+	+	++
<i>Pseudo-nitzschia subpacifica</i>				*AD
<i>Scrippsiella</i> sp.	+		+	
<i>Scrippsiella trochoidea</i>	+		+	+
<i>Skeletonema costatum</i>	+	++	+	++
<i>Thalassionema nitzschioides</i>			++	
<i>Thalassiosira gravida</i>	+		+	+
<i>Thalassiosira nordenskiöldii</i>	+	+		+
<i>Thalassiosira</i> sp. (tiny)				+
<i>Thalassiosira</i> spp.	+	+		+
Tintinnida	+	+	+	+

Species observed at concentrations $\geq 10\ 000$ cells \cdot L $^{-1}$ during the four yr were: *Alexandrium fundyense*, *Chaetoceros debilis*, *Chaetoceros socialis*, *Chaetoceros* spp., *Dictyocha speculum*, *Eutreptiella* sp., *Guinardia delicatula*, *Heterocapsa triquetra*, *Leptocylindrus minimus*, *Mesodinium rubrum*, *Pseudo-nitzschia delicatissima* group, *Pseudo-nitzschia seriata* group, *Skeletonema costatum*, and tintinnids. Note that *M. rubrum* was also observed at concentrations high enough to discolour the water at locations not included in our five sampling sites (Martin et al. 2007). There were seven species that occurred at concentrations greater than 100 000 cells \cdot L $^{-1}$ in 2003. In 2004 and 2006 there were six species observed at concentrations greater than 100 000 cells \cdot L $^{-1}$ and five species in 2005 (Table 2). The *P. delicatissima* group was the only one to exceed one million cells \cdot L $^{-1}$ during the four yr period and it occurred in 2005 and 2006. Additionally, highest concentrations of *Chaetoceros furcellatus*, *Cylindrotheca closterium*, *Lennoxia faveolata*,

Pseudo-nitzschia pseudodelicatissima, *P. subpacifica* and pennate diatoms were found at depths in some instances.

Although *A. fundyense* cells (the PSP toxin producer) are observed annually, the intensity of the bloom varies greatly from year to year (Figs. 2, 3). The blooms are patchy and tend to concentrate in surface waters. During most years, blooms are initiated in early May with highest numbers observed in mid-July. The intensity of the *A. fundyense* blooms was observed at concentrations greater than 10 000 cells \cdot L $^{-1}$ during the 4 yr 1993-96 but during 1997 and 1998, the highest concentrations observed were 8200 and 6720 cells \cdot L $^{-1}$. These low concentrations persisted through 1999 and 2000 with 3.2×10^3 and 2.5×10^3 cells \cdot L $^{-1}$, respectively. In 2001 the highest concentration (6.8×10^4 cells \cdot L $^{-1}$) was detected on July 17 at Deadmans Harbour. During 2002, *A. fundyense* concentrations reached 1.52×10^5 cells \cdot L $^{-1}$, also at Deadmans Harbour. During the four yr period,

2003-2006, *A. fundyense* cells were first observed on April 29 (2003), May 4 (2004), January 4 (2005), and February 14 (2006). Cells persisted into the fall with cells observed until October 21 (2003), November 2 (2004), October 11 (2005) and October 2 (2006) (Fig. 4). The years 2003 and 2004 were unusual where very high concentrations of *A. fundyense*, similar to the late 1970s and 1980 (Martin and White 1988) were again observed. 2003 was also an unusual year as *A. fundyense* concentrations peaked in late September and concentrations ranged from $2.9 - 8.8 \times 10^5$ cells·L⁻¹ in the eastern Grand Manan Island region (Fig. 5). This resulted in greater than "normal" levels of shellfish toxicity and farmed salmon mortalities (Martin et al. 2008; Burrige et al. 2010). As a result, additional monitoring sites were monitored during 2004 and 2005 (Chang et al. 2005). Observations at net pens when high concentrations of *A. fundyense* were in surface waters were that caged salmon tended to concentrate at depth in order to avoid higher surface cell concentrations. Fish were not fed when *A. fundyense* concentrations exceeded 1.0×10^5 cells·L⁻¹ as there was concern that the farmed salmon would rise to the surface to feed exposing them to the higher densities and PSP toxins. The fish that died experienced similar symptoms to those observed in earlier experiments on herring (*Clupea harengus harengus*), cod (*Gadus morhua*), and pollock (*Pollachius virens*) (White 1981, 1984).

During the 2004 event that affected farmed salmon, daily samples were also collected by the aquaculture industry from two areas and showed that *A. fundyense* concentrations exceeded 1.0×10^5 cells·L⁻¹ at one location for more than 25 days from late July through mid-August. The highest

concentration observed from those sites was greater than one million cells·L⁻¹ in mid August. Industry counts at an adjacent affected farm exceeded 3 million cells·L⁻¹. As in 2003, the bloom was patchy and tended to concentrate in surface waters.

Where sampling was conducted at discrete depths at the Wolves, few cells were detected at depth as is consistent with other *A. fundyense* studies in the Bay of Fundy (Martin et al. 2005). Figure 3 shows *A. fundyense* concentrations from Lime Kiln Bay since 1987 and the other three continuously monitored stations since 1988 with high numbers observed at Deadmans Harbour, a decreasing trend from 1996-2000 and cells beginning to be more abundant again in 2001-02. Highest concentrations since 1987 were observed in 2004 at the Wolves.

Although there are a number of *Pseudo-nitzschia* species in the Bay of Fundy (Kaczmarek et al. 2005), the *Pseudo-nitzschia* species have been grouped into 2 groups because of difficulty in differentiating them with the light microscope. The *P. delicatissima* group refers to a number of different species that are difficult to differentiate without the use of an electron microscope because of their small size in width (1.5-2.0 µm). They include *P. pseudodelicatissima* and *P. delicatissima*. The *P. seriata* group includes *P. fraudulenta*, *P. multiseries*, *P. pungens*, *P. seriata* and *P. subpacificus*.

The highest numbers of organisms observed in any one sample day during each year are shown in Table 3. This also contributed to the degree of difficulty in analyzing samples and increased analysis time per sample.

Table 3. Greatest number of species observed from 1987 to 2006.

Year	Date of maximum species count	Maximum species count from all 5 stations (including mid-Passamaquoddy Bay)	Maximum species count from 4 stations
1987	1987-06-30		40
1988	1988-09-21		65
1989	1989-06-28		79
1990	1990-09-04		72
1991	1991-07-09		59
1992	1992-06-24		53
1993	1993-08-10		61
1994	1994-08-30		66
1995	1995-09-20		65
1996	1996-06-25		63
1997	1997-10-01		68

Year	Date of maximum species count	Maximum species count from all 5 stations (including mid-Passamaquoddy Bay)	Maximum species count from 4 stations
1999	1999-06-15	78	74
2000	2000-08-28	87	84
2001	2001-06-26	95	94
2003	2003-09-29	92	90
2005	2005-06-28	82	79
2006	2006-08-29	87	86

DISCUSSION

The majority of phytoplankton and smaller zooplankton occur in the Bay of Fundy without causing adverse effects. Prior to 1988, the species of major concern was *A. fundyense*, which is responsible for producing PSP toxins and can result in unsafe levels of toxins in shellfish. It was a well established fact that shellfish harvesting areas would be closed to harvesting at some time during the year – generally during the summer months (Prakash et al. 1971). Shellfish are monitored for toxins at regular intervals by the Canadian Food Inspection Agency (through a program initiated in 1944 that is now one of the longest continuous datasets of its kind in the world). Records indicate that shellfish in the Bay of Fundy become toxic every year (Hamer et al. 2012). This is not surprising as the presence of very few cells in a plankton net haul or as few as 200 cells·L⁻¹ can result in PSP toxins at a detectable level in shellfish from an adjacent area (Page et al. 2004). Unfortunately, the wild blue mussel (*Mytilus edulis*) fishery was closed to harvesting in 1944 and has never reopened. Data from this monitoring program, as well as toxin uptake and depuration studies, indicate that during a good part of the year it would be possible to harvest mussels that would be safe for consumption and below the regulatory limit for harvesting. In recent years, a carefully regulated cultured blue mussel industry has been established through the Integrated Multi-Trophic Aquaculture (IMTA) program (Haya et al. 2004; Lander et al. 2012). Certain regions, such as Passamaquoddy Bay are potential sites for mussel culture as the numbers of *A. fundyense* tend to be lower than in other areas more exposed to offshore waters and higher concentrations of *A. fundyense* cells.

Fish kills were experienced in the late 1970s as a result of PSP toxins that had gone through the food chain and ultimately killed hundreds of tonnes of herring held captive in herring weirs. Also, in the mid-1980s, PSP toxins were detected in mackerel and implicated in whale mortalities. However, results from the monitoring program indicate that the mid to

late 1990s were years with low concentrations of *A. fundyense*, although in the early 2000s the numbers tended to reflect an increasing trend with salmon mortalities occurring at aquaculture operations in the Grand Manan region in 2003 (Martin et al. 2006b) and in the Lime Kiln to Beaver Harbour area in 2004 (Burridge et al. 2010). Results from the monitoring program indicate that concentrations in 2003 and 2004 were similar to the concentrations observed in the late 1970s and in 1980 when concentrations as high as one million cells·L⁻¹ were observed (Martin and White 1988). Further evidence of the abnormally high concentrations of *A. fundyense* cells during 2003-04 was seen in the levels of PSP toxins in wild shellfish which were higher than normal during the 2 years. PSP toxins detected in blue mussels (*Mytilus edulis*) from Grand Manan Island were >4 000 µg STX equiv. 100 g⁻¹ tissue on September 15, 2003. On August 2, 2004, a tourist became ill after collecting and consuming cooked blue mussels (18 080 µg STX equiv. 100 g⁻¹ tissue) from a salmon farm that was experiencing mortalities.

Results from regular monitoring of *A. fundyense* cell densities since 1988 suggest that there tends to be great inter-annual variability. There are years with high concentrations (greater than 50 000 cells·L⁻¹) and there can be periods with fewer cells such as 1996-2001 and 2005-06 – years prior to and immediately following the massive blooms (Page et al. 2006, Martin et al. 2006b; 2008). These data suggest that the extremely high concentrations observed in 2003-04 are periodic events although, as White (1987) suggested, there are documented periods of higher toxicities (mid 1940s, early 1960s and late 1970s). This suggests that the salmon industry could be subjected to high concentrations again in the future, but not necessarily every year.

High concentrations of *M. rubrum* has been observed in both the presence and absence of aquaculture – for example, red-water sightings prior to 2007 were observed during 1975, '77, '79, '89, '93, '98, '99, and 2000 (White et al. 1977; Jennifer Martin, Biological Station, 531 Brandy Cove Road,

St. Andrews, NB E5B 2L9, pers. comm.). Although results from the Brandy Cove monitoring site indicate that *M. rubrum* occurs annually in the region, it was found that it rarely forms dense aggregates in the Saint Croix River; therefore, the mid-Passamaquoddy Bay site has been better suited to studying northern Passamaquoddy Bay blooms.

Species that have been observed in the Bay of Fundy that have been known to cause problems elsewhere in Canada or the world include: *Dinophysis* spp. (Fernández et al. 1998), *Prorocentrum* spp. (Lawrence 1998; Levasseur et al. 2003) (diarrhetic shellfish toxins); *C. convolutus*, *C. concavicornis* (Horner et al. 1990, 1997), *Gyrodinium aureolum* (Dahl and Tangen 1990, 1993; Romdhane et al. 1998) and *L. minimus* (Clément and Lembeke 1993; Albright 1993) (salmon mortalities). Although these species are known to occur each year in the Fundy region, there have not been any documented incidents of harmful effects to date.

The *P. delicatissima* group of cells, which includes *P. pseudodelicatissima* and *P. delicatissima*, has been observed at concentrations greater than 10 000 cells·L⁻¹ during each year of the sampling. Records from 1987-2006 show that concentrations exceeding one million chains of cells·L⁻¹ in 1988 and 1995 were associated with domoic acid production (when shellfish exceeded the regulatory limit for domoic acid). Highest surface values of the *P. delicatissima* group of cells for each of the 4 study years were: 5.36 x 10⁵ cells·L⁻¹ on August 26, 2003 at Deadmans Harbour; 5.54 x 10⁵ cells·L⁻¹ at the Wolves on July 5, 2004; 1.28 x 10⁶ cells·L⁻¹ at mid-Passamaquoddy Bay on June 21, 2005; and 1.3 x 10⁶ cells·L⁻¹ at Deadmans Harbour on July 4, 2006.

Unfortunately we are unable to predict phytoplankton densities from year to year. We are, however, able to provide an early warning to industry and regulatory agencies of the progress of a particular bloom. Results have shown that it is important to understand that every species is unique and information particular to one species cannot be applied to another – especially when trying to determine mitigation measures. Monitoring indicates wide interannual variation in the density of populations and the necessity to monitor, at the very least weekly, in order to provide an early warning. In addition, as industries expand and new industries are introduced, environmental monitoring is essential. A number of parameters such as environmental data, phytoplankton community structure, and trend analyses are being examined to further understand patterns and trends.

In the future, should fish pens be located in areas prone to red tides, we recommend monitoring during the period when red tides are common. For this particular region, this is generally in late summer. For areas with little historical data, if water discoloration is observed, monitoring should be initiated. Identification of the causative organism is essential as every species is unique and behavioral patterns can differ according to species and geographic location. As the upper Passamaquoddy Bay is susceptible to red tides, it is recommended that if net pens are located in these waters that phytoplankton be monitored, at minimum, on a weekly basis and authorized personnel notified of water discoloration for research and advice on mitigation techniques. Results of the monitoring program indicate that phytoplankton is an essential component to be measured. Additional knowledge of the physical oceanography of the area would contribute towards better understanding events such as bloom initiation, transport and decay.

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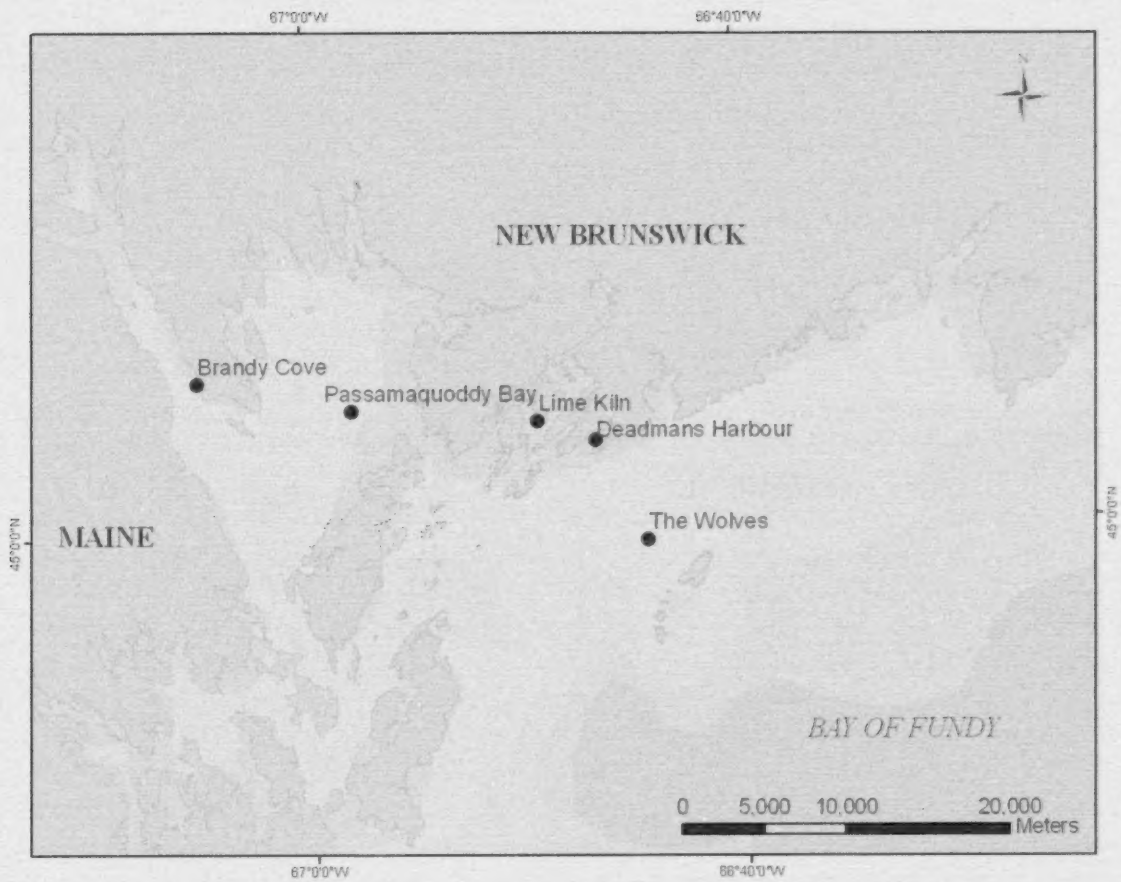


Fig. 1. Map showing the five sampling stations: Brandy Cove (#17), Passamaquoddy Bay (#25), Lime Kiln (#3), Deadmans Harbour (#15) and The Wolves (#16).

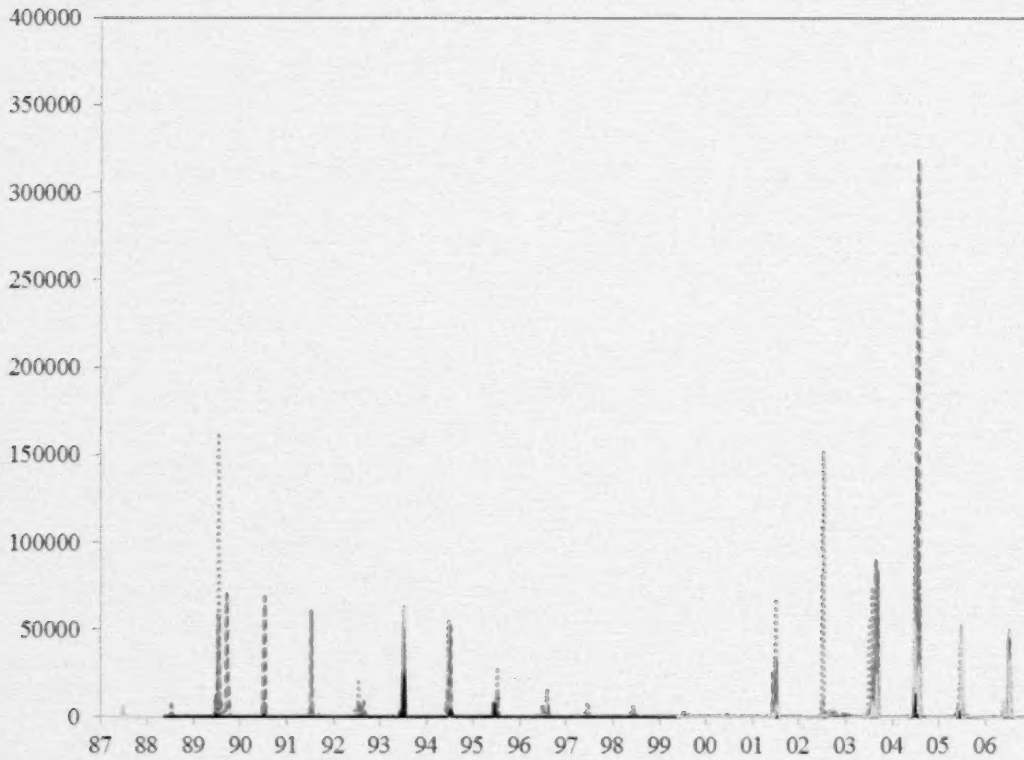


Fig. 2. *Alexandrium fundyense* concentrations (in cells·L⁻¹) from the 5 stations (1987-2006). Lime Kiln was initiated in 1987; Mid-Passamaquoddy Bay was initiated in 1999. (— Lime Kiln; Deadmans Harbour; ----- Wolves Islands; — Brandy Cove; ----- mid-Passamaquoddy Bay).

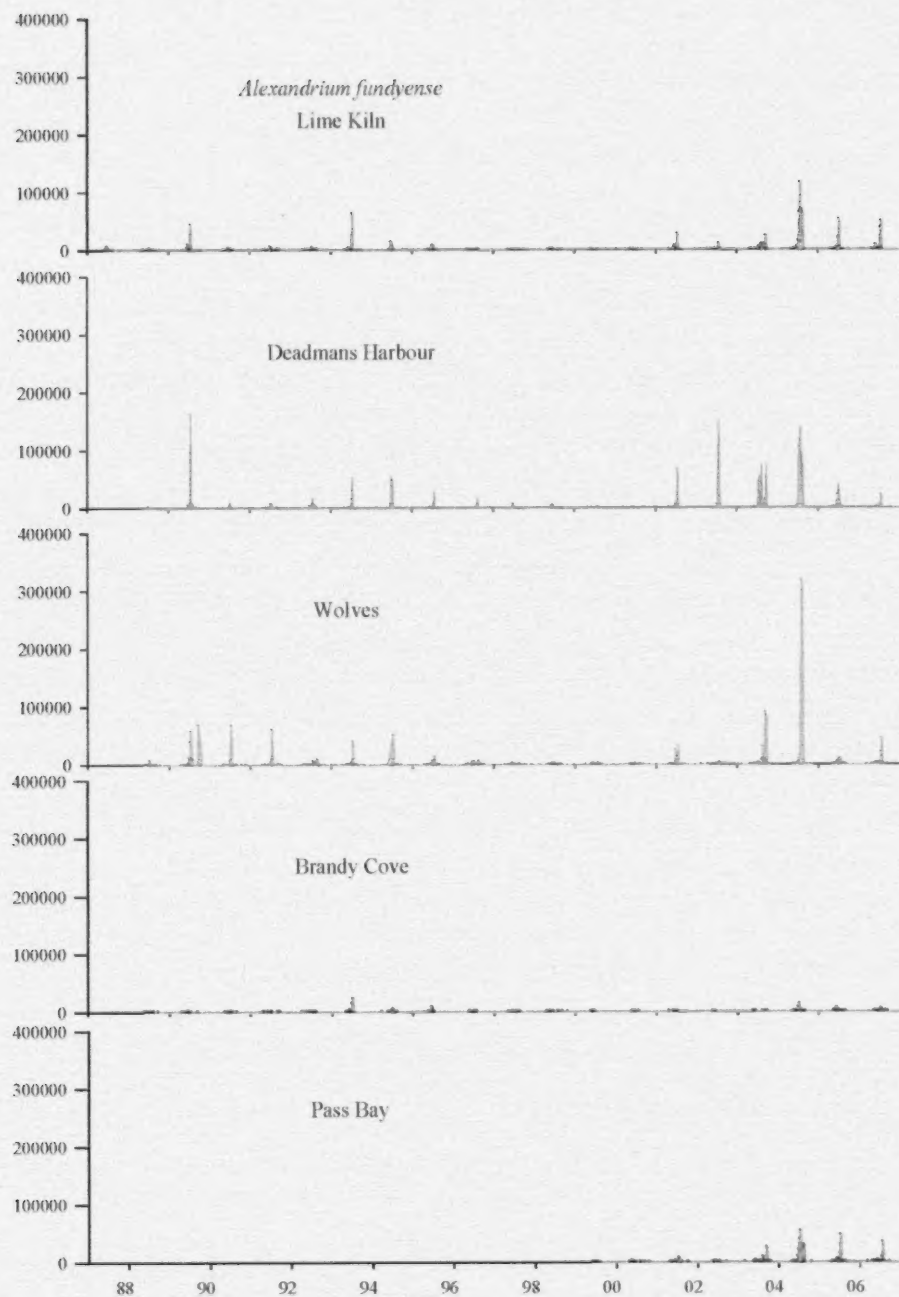


Fig. 3. *Alexandrium fundyense* concentrations (in cells \cdot L⁻¹) from the 5 stations (1987-2006).

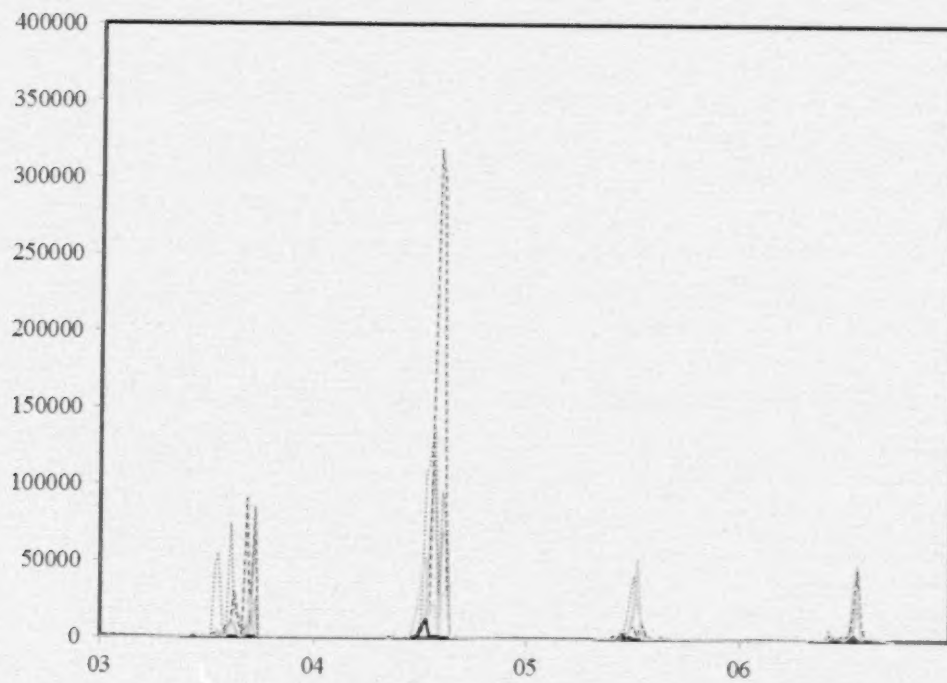


Fig. 4. *Alexandrium fundyense* concentrations (in cells·L⁻¹) from the 5 stations (2003-06). (— Lime Kiln; Deadmans Harbour; - - - - - Wolves Islands; ——— Brandy Cove; — · — mid-Passamaquoddy Bay)

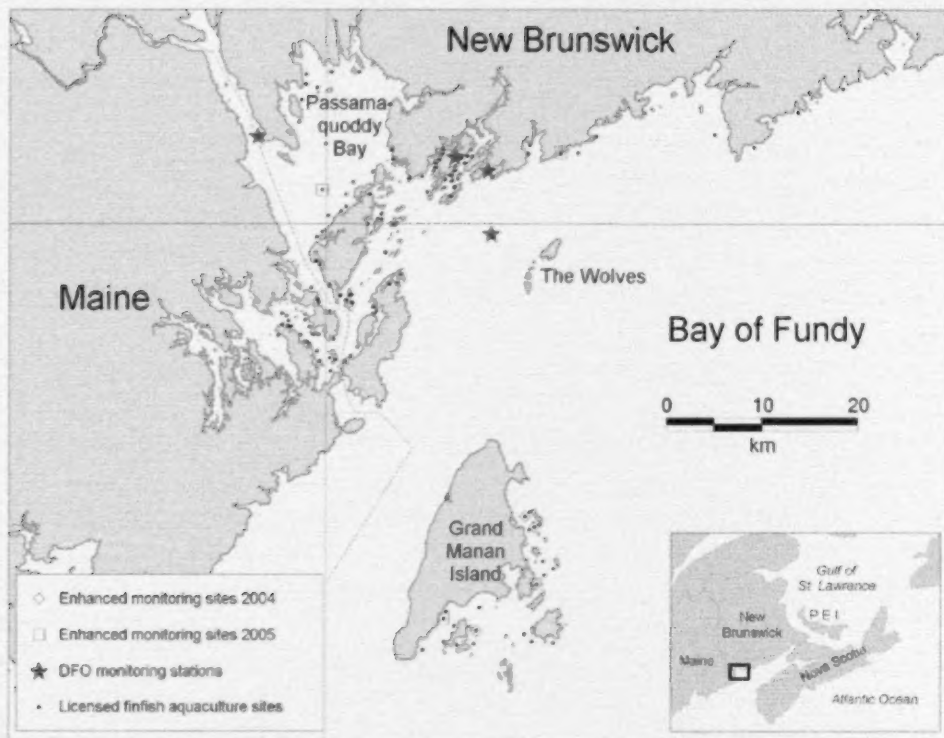


Fig. 5. Additional phytoplankton monitoring sampling sites 2004 (◊); 2005 (◻) and DFO long term phytoplankton monitoring stations (★).

Appendix 1. Species observed during 2003 – 2006, * indicates species added to list since 2003

Species (2003-2006)	Authority	Previously identified as
<i>Acanthostomella norvegica</i> *	(Daday) Jörgensen	
<i>Achmanthes</i> sp.	Bory de Saint-Vincent	
<i>Actinoptychus senarius</i>	(Ehrenberg) Ehrenberg	<i>Actinoptychus undulatus</i>
<i>Alexandrium fundyense</i> ¹	Balech	
<i>Alexandrium ostenfeldii</i>	(Paulsen) Balech & Tangen	
<i>Alexandrium pseudogonyaulax</i>	(Biecheler) Horiguchi ex Kita & Fukuyo	
<i>Amphidinium carterae</i>	Hulburt	
<i>Amphidinium sphenoides</i>	Wulff	
<i>Amylax triacantha</i>	(Jörgensen) Sournia	<i>Gonyaulax triacantha</i>
<i>Apedinella radians</i>	(Thronsdon) Thronsdon	<i>Apedinella spinifera</i> ; <i>Apedinella</i> sp.
Armoured dinoflagellate		
<i>Asterionella formosa</i>	Hassall	
<i>Asterionellopsis glacialis</i>	(Castracane) Round	<i>Asterionella japonica</i>
<i>Asteroplanus karianus</i>	(Grunow) C. Gardner & R.M. Crawford	<i>Asterionellopsis kariana</i> ; <i>Asterionella kariana</i>
<i>Attheya septentrionalis</i>	(Ostrup) Crawford	
<i>Attheya</i> spp.	West	
<i>Aulacoseira ambigua</i>	(Grunow) Simonsen	<i>Melosira ambigua</i>
<i>Aulacoseira granulata</i>	(Ehrenberg) Simonsen	<i>Melosira granulata</i>
<i>Bacillaria paxillifera</i>	(O.F. Müller) Hendey	<i>Bacillaria paradoxa</i> ; <i>Bacillaria paxillifer</i> <i>Triceratium alternans</i>
<i>Biddulphia alternans</i>	(J.W. Bailey) Van Heurck	
<i>Brachionus</i> spp.	Pallas	
<i>Calliacantha</i> sp.*	Leadbeater	
Centric diatom		
<i>Cerataulina pelagica</i>	(Cleve) Hendey	
<i>Ceratium furca</i>	(Ehrenberg) Clarapède & Lachmann	
<i>Ceratium fusus</i>	(Ehrenberg) Dujardin	
<i>Ceratium horridum</i>	(Cleve) Gran	
<i>Ceratium kofoidii</i>	Jörgensen	
<i>Ceratium lineatum</i>	(Ehrenberg) Cleve	
<i>Ceratium longipes</i>	(Bailey) Gran	
<i>Ceratium macroceros</i>	(Ehrenberg) Vanhöffen	
<i>Ceratium minutum</i>	Jörgensen	
<i>Ceratium</i> spp.	Schrank	
<i>Ceratium tripos</i>	(O.F. Müller) Nitzsch	
<i>Chaetoceros affinis</i>	Lauder	
<i>Chaetoceros atlanticus</i>	Cleve	
<i>Chaetoceros borealis</i>	Bailey	
<i>Chaetoceros brevis</i>	Schütt	
<i>Chaetoceros concavicornis</i>	Mangin	
<i>Chaetoceros constrictus</i>	Gran	

Species (2003-2006)	Authority	Previously identified as
<i>Chaetoceros contortus</i>	Schütt	<i>Chaetoceros compressus</i>
<i>Chaetoceros convolutus</i>	Castracane	
<i>Chaetoceros convolutus / concavicornis</i>		
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	J.F. Brunel	<i>Chaetoceros convolutus</i> var. <i>trisetosa</i>
<i>Chaetoceros danicus</i>	Cleve	
<i>Chaetoceros debilis</i>	Cleve	
<i>Chaetoceros decipiens</i>	Cleve	
<i>Chaetoceros diadema</i>	(Ehrenberg) Gran	
<i>Chaetoceros didymus</i>	Ehrenberg	
<i>Chaetoceros filiformis</i> *	Meunier	
<i>Chaetoceros furcellatus</i>	Bailey	
<i>Chaetoceros laciniosus</i>	Schütt	
<i>Chaetoceros lorenzianus</i>	Grunow	
<i>Chaetoceros pseudobrevis</i>	Pavillard	
<i>Chaetoceros pseudocrinitus</i>	Ostenfeld	<i>Chaetoceros ingolfianus</i>
<i>Chaetoceros pseudocrinitus / furcellatus</i>	Ostenfeld	<i>Chaetoceros ingolfianus / furcellatus</i>
<i>Chaetoceros radicans</i>	Schütt	
<i>Chaetoceros similis</i>	Cleve	
<i>Chaetoceros simplex</i>	Ostenfeld	
<i>Chaetoceros socialis</i>	Lauder	
<i>Chaetoceros</i> spp. (Hyalochaete)	Gran	
<i>Chaetoceros</i> spp. (Phaeoceros)	Gran	
<i>Chaetoceros subtilis</i>	Cleve	
<i>Chaetoceros tenuissimus</i>	Meunier	
<i>Chaetoceros teres</i>	Cleve	
<i>Chrysochromulina parkeae</i>	Green & Leadbeater	
<i>Commation cryoporinum</i>	Thomsen & Larsen	
Copepoda	Milnes-Edwards	
<i>Corethron hystrix</i>	Hensen	<i>Corethron criophilum</i>
<i>Coscinodiscus centralis</i>	Ehrenberg	
<i>Coscinodiscus concinnus</i>	Wm. Smith	
<i>Coscinodiscus</i> spp.	Ehrenberg	
<i>Coscinodiscus wailesii</i>	Gran & Angst	
<i>Coxiella ampla</i> *	Jørgensen	
<i>Coxiella</i> spp.*	Brandt	
<i>Cyclotella</i> spp.	(Kützing) Brébisson	
<i>Cylindrotheca closterium</i>	(Ehrenberg) Lewin & Reimann	<i>Nitzschia closterium</i>
<i>Cylindrotheca gracilis</i>	(Brébisson ex Kützing) Grunow	
<i>Dactyliosolen fragilissimus</i>	(Bergon) Hasle	<i>Rhizosolenia fragilissima</i>
<i>Detonula pumila</i>	(Castracane) Gran	<i>Thalassiosira condensata</i>
<i>Dictyocha fibula</i>	Ehrenberg	
<i>Dictyocha speculum</i>	Ehrenberg	<i>Distephanus speculum</i>
<i>Dinobryon</i> spp.	Ehrenberg	

Species (2003-2006)	Authority	Previously identified as
<i>Dinophysis acuminata</i>	Claparède & Lachmann	
<i>Dinophysis acuta</i>	Ehrenberg	
<i>Dinophysis fortii</i>	Pavillard	
<i>Dinophysis norvegica</i>	Claparède & Lachmann	
<i>Dinophysis pulchella</i>	(Lebour) Balech	<i>Phalacroma pulchellum</i>
<i>Dinophysis rotundata</i>	Claparède & Lachmann	<i>Phalacroma rotundatum</i>
<i>Dinophysis</i> spp.	Ehrenberg	
<i>Dinophysis tripos</i>	Gourret	
<i>Dissodinium pseudolumula</i>	Swift ex Elbrächter and Drebes	<i>Pyrocystis lumula</i>
<i>Ditylum brightwellii</i>	(West) Grunow	<i>Ditylum brightwelli</i>
<i>Ebria tripartita</i>	(Schumann) Lemmermann	
<i>Entomoneis</i> spp.	Ehrenberg	<i>Amphiprora</i> sp.
<i>Eucampia</i> spp.	Ehrenberg	
<i>Eucampia zodiacus</i>	Ehrenberg	<i>Eucampia zodiacus</i>
<i>Eutintinnus</i> sp.	Kofoed & Campbell	
<i>Eutreptiella</i> sp.	A. da Cunha	<i>Eutreptia/Eutreptiella</i>
<i>Favella</i> spp.	Jørgensen	
<i>Fragilaria crotonensis</i>	Kitton	
<i>Fragilaria</i> spp.	Lyngbye	
<i>Gonyaulax digitale</i>	(Pouchet) Kofoed	
<i>Gonyaulax spinifera</i>	(Claparède & Lachmann) Diesing	
<i>Gonyaulax</i> spp.	(Claparède & Lachmann) Diesing	
<i>Grammatophora marina</i>	(Lyngbye) Kützing	
<i>Guinardia delicatula</i>	(Cleve) Hasle	<i>Rhizosolenia delicatula</i>
<i>Guinardia flaccida</i>	(Castracane) Peragallo	
<i>Guinardia striata</i>	(Stolterfoth) Hasle	<i>Rhizosolenia stolterfothii</i>
<i>Gymnodinium</i> spp.	Stein	
<i>Gyrodinium aureolum</i>	Hulburt	
<i>Gyrodinium</i> spp.	Kofoed & Swezy	
<i>Gyrosigma balticum</i>	(Ehrenberg) Rabenhorst	<i>Gyrosigma baltica</i>
<i>Gyrosigma fasciola</i>	(Ehrenberg) Griffith & Henfrey	
<i>Gyrosigma littorale</i>	(W. Smith) Griffith & Henfrey	
<i>Gyrosigma</i> spp.	Hassall	
<i>Gyrosigma tenuissimum</i>	(W. Smith) Griffith & Henfrey	<i>Gyrosigma tenuissimum</i>
<i>Helicostomella</i> spp.	Jørgensen	
<i>Helicotheca tamesis</i>	(Shrubsole) Ricard	<i>Streptotheca thamensis</i>
<i>Heterocapsa triquetra</i>	(Ehrenberg) Stein	<i>Peridinium triquetra</i>
<i>Laboea</i> sp.	Lohmann	
<i>Lauderia annulata</i>	Cleve	<i>Lauderia borealis</i>
<i>Lennoxia faveolata</i>	Thomsen & Buck	
<i>Leptocylindrus danicus</i>	Cleve	
<i>Leptocylindrus mediterraneus</i>	(H. Peragallo) Hasle	
<i>Leptocylindrus minimus</i>	Gran	
<i>Licmophora</i> spp.	C.A. Agardh	<i>Lycmophora lyngbyei</i>

Species (2003-2006)	Authority	Previously identified as
<i>Mediopyxis helysia</i>	Kühn, Hargraves & Halliger	
<i>Melosira monoliformis</i>	(Müller) Agardh	
<i>Melosira nummuloides</i>	C.A. Agardh	
<i>Membraneis challengeri</i>	(Grunow) Paddock	<i>Plagiostris</i> sp.; <i>Tropidoneis</i> sp.
<i>Meringosphaera mediterranea</i>	Lohmann	
<i>Mesodinium rubrum</i>	Lohmann	
<i>Micracanthodinium claytonii</i>	(Holmes) Dodge	
<i>Navicula distans</i>	(W. Smith) Ralfs	<i>Navicula</i> sp.
<i>Navicula transitans</i> var. <i>derasa</i>	(Grunow) Cleve	
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>	Heimdal	
<i>Neodenticula seminae</i>	(R.Simonsen & T.Kanaya) F.Akiba & Y.Yanagisawa	
<i>Notholca</i> spp.	Gosse	
<i>Odontella aurita</i>	(Lyngbye) Agardh	<i>Biddulphia aurita</i>
<i>Odontella obtusa</i>	(Kützing)	<i>Biddulphia obtusa</i>
<i>Odontella regia</i>	(Schultze) Simonsen	<i>Biddulphia regia</i>
<i>Odontella sinensis</i>	(Greville) Grunow	
<i>Odontella</i> spp.	C.A. Agardh	<i>Biddulphia</i> sp.
<i>Parafavella</i> spp.	Kofoed & Campbell	
<i>Paralia sulcata</i>	(Ehrenberg) Cleve	<i>Paralia marina</i>
Pennate diatom		
<i>Phaeocystis pouchetii</i>	(Hariot) Lagerheim	
<i>Pleurosigma</i> / <i>Gyrosigma</i>		
<i>Pleurosigma angulatum</i>	(Quekett) W. Smith	
<i>Pleurosigma strigosum</i>	W. Smith	<i>Pleurosigma angulatum</i> var. <i>strigosa</i>
<i>Polykrikos</i> spp.	Bütschli	
<i>Porosira glacialis</i>	(Grunow) Jörgensen	
<i>Preperidinium meuneri</i>	(Pavillard) Elbrächter	
<i>Proboscia alata</i>	(Brightwell) Sundström	<i>Rhizosolenia alata</i>
<i>Prorocentrum micans</i>	Ehrenberg	
<i>Prorocentrum minimum</i>	(Pavillard) Schiller	
<i>Prorocentrum</i> sp. (small)	Ehrenberg	
<i>Protoperidinium bipes</i>	(Paulsen) Balech	<i>Minuscula bipes</i>
<i>Protoperidinium brevipes</i>	(Paulsen) Balech	
<i>Protoperidinium conicum</i>	(Gran) Balech	<i>Peridinium conicum</i>
<i>Protoperidinium crassipes</i>	(Kofoed) Balech	
<i>Protoperidinium denticulatum</i>	(Gran & Braarud) Balech	<i>Peridinium denticulatum</i>
<i>Protoperidinium depressum</i>	(Bailey) Balech	<i>Peridinium depressum</i>
<i>Protoperidinium excentricum</i>	(Paulsen) Balech	<i>Peridinium excentricum</i>
<i>Protoperidinium ovatum</i>	Pouchet	<i>Peridinium ovatum</i>
<i>Protoperidinium punctulatum</i>	(Paulsen) Balech	
<i>Protoperidinium</i> spp.	Bergh	<i>Peridinium</i> sp.
<i>Protoperidinium steinii</i>	(Jörgensen) Balech	
<i>Pseudo-nitzschia americana</i>	(Hasle) Fryxell	<i>Nitzschia</i> sp.

Species (2003-2006)	Authority	Previously identified as
<i>Pseudo-nitzschia delicatissima</i>	(Hasle) Fryxell	
<i>Pseudo-nitzschia delicatissima</i> group		
<i>Pseudo-nitzschia fraudulenta</i>	(Cleve) Hasle	
<i>Pseudo-nitzschia pseudodelicatissima</i>	(Hasle) Hasle	
<i>Pseudo-nitzschia seriata</i>	(Cleve) H. Peragallo	
<i>Pseudo-nitzschia seriata</i> group		
<i>Pseudo-nitzschia subpacifica</i>	(Hasle) Hasle	
<i>Ptychocylis</i> spp.	Brandt	
<i>Rhabdonema</i> spp.	Kützing	
<i>Rhizosolenia hebetata</i> f. <i>semispina</i>	(Hensen) Gran	<i>Rhizosolenia hebetata</i>
<i>Rhizosolenia imbricata</i>	Brightwell	<i>Rhizosolenia shrubsolei</i>
<i>Rhizosolenia setigera</i>	Brightwell	
<i>Rhizosolenia</i> spp.	Brightwell	
<i>Rhizosolenia styliformis</i>	Brightwell	
<i>Salpingella</i> spp.	Jørgensen	
<i>Scripsiella</i> sp.	Balech ex Loeblich II	
<i>Scripsiella trochoidea</i>	(Stein) Loeblich III	
<i>Skeletonema costatum</i>	(Greville) Cleve	
<i>Stephanopyxis turris</i>	(Greville) Ralfs	
<i>Sriatella unipunctata</i>	(Lyngbye) Agardh	
Strobilididae		<i>Strombolidinium</i> sp.
<i>Synedra</i> spp.	Ehrenberg	
<i>Tabellaria</i> spp.	Ehrenberg ex Kützing	
<i>Thalassionema nitzschioides</i>	(Grunow) Mereschkowsky	<i>Thalassiothrix nitzschioides</i>
<i>Thalassiosira anguste-lineata</i>	(A. Schmidt) Fryxell & Hasle	<i>Thalassiosira anguste-lineata</i> ; <i>Coscosira polychorda</i>
<i>Thalassiosira baltica</i>	(Grunow) Ostensfeld	
<i>Thalassiosira bioculata</i> *	(Grunow) Ostensfeld	
<i>Thalassiosira bioculata</i> var. <i>exigua</i> *	(Grunow) Hustedt	
<i>Thalassiosira gravida</i>	Cleve	
<i>Thalassiosira hyalina</i>	(Grunow) Gran	
<i>Thalassiosira nordenskiöldii</i>	Cleve	
<i>Thalassiosira ostrupii</i>	(Ostensfeld) Hasle	
<i>Thalassiosira punctigera</i>	(Castracane) Hasle	<i>Thalassiosira punctifera</i>
<i>Thalassiosira</i> sp. (tiny)		
<i>Thalassiosira</i> spp.	Cleve	
<i>Thalassiothrix longissima</i>	Cleve & Grunow	
<i>Tintinnida</i>	Kofoed & Campbell	
<i>Tintinnopsis beroidea</i>	Stein	
<i>Tintinnopsis campanula</i>	Ehrenberg	
<i>Tintinnopsis</i> spp.	Stein	
Unarmoured dinoflagellate		

¹Lifestages of *Alexandrium fundyense*

Alexandrium fundyense (cyst)

Alexandrium fundyense (duplet)

Alexandrium fundyense (fusing)

Alexandrium fundyense (planozygote)

Alexandrium fundyense (quadruplet)

Alexandrium fundyense (triplet)

Appendix 2. Phytoplankton densities as number of cells•L⁻¹ in 2003-2006.

7-Jan-03	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Actinopterychus senarius</i>						40	40	
<i>Amphidinium carterae</i>	20							20
<i>Amphidinium sphenoides</i>		20			20			
Armoured dinoflagellate		100						
<i>Aulacoseira ambigua</i>		20						
Centric diatom					40	40		
<i>Cerataulina pelagica</i>								
<i>Ceratium lineatum</i>					20			
<i>Ceratium tripos</i>								
<i>Chaetoceros debilis</i>	20							
<i>Chaetoceros</i> spp. (Hyalochaete)								
<i>Commation cryoporinum</i>					20			
<i>Corethron hystrix</i>	20			40	40			
<i>Coscinodiscus</i> spp.				40				
<i>Cylindrotheca closterium</i>	300	120	360	260	420	140	480	220
<i>Dactyliosolen fragilissimus</i>						20		
<i>Dictyocha speculum</i>	20			40	20		60	80
<i>Dinobryon</i> spp.							20	
<i>Ditylum brightwellii</i>		20			20	20	60	
<i>Eucampia zodiacus</i>						20		
<i>Eutreptiella</i> sp.					20			
<i>Guinardia delicatula</i>	40		80	140	80	40	60	20
<i>Guinardia striata</i>	20							
<i>Gyrodinium</i> spp.	20	40		20	40		80	80
<i>Gyrosigma fasciola</i>						20		
<i>Helicotheca tamesis</i>						20		
<i>Laboea</i> sp.		20	20				20	
<i>Leptocylindrus minimus</i>		20	40	20			20	20
<i>Licmophora</i> spp.								
<i>Mesodinium rubrum</i>	140	220	20		40		180	180
<i>Navicula distans</i>	80	20	20	20	40	140	60	40
<i>Odontella sinensis</i>		20		20		20		
<i>Paralia sulcata</i>	20							
Pennate diatom	20	20	20	40	20	20	20	
<i>Pleurosigma</i> / <i>Gyrosigma</i>	20							
<i>Pleurosigma angulatum</i>	20	20		20			20	
<i>Pleurosigma strigosum</i>				20				
<i>Pseudo-nitzschia delicatissima</i> group	160	80	100	100	20	20	320	180
<i>Pseudo-nitzschia seriata</i> group			40					
<i>Rhizosolenia setigera</i>								
<i>Skeletonema costatum</i>					40			
<i>Thalassionema nitzschioides</i>	20				60			
<i>Thalassiosira anguste-lineata</i>								20
<i>Thalassiosira punctigera</i>								
<i>Thalassiosira</i> spp.								
Tintinnida	60	40			60	20	340	20
Unarmoured dinoflagellate						20		20
4-Feb-03								
<i>Amphidinium carterae</i>	20							60
Armoured dinoflagellate								
<i>Aulacoseira ambigua</i>	20							
Centric diatom	20							

4-Feb-03 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Chaetoceros lorenzianus</i>		20						
<i>Chaetoceros simplex</i>	20							
<i>Commatia cryoporinum</i>								
Copepoda								20
<i>Corethron hystrix</i>								20
<i>Coscinodiscus</i> spp.								
<i>Cylindrotheca closterium</i>	380	620					220	200
<i>Dactyliosolen fragilissimus</i>	20							
<i>Dictyocha speculum</i>		80					40	40
<i>Ditylum brightwellii</i>	20	20					20	
<i>Eutreptiella</i> sp.		60					20	
<i>Guinardia delicatula</i>	20	20						20
<i>Gyrodinium</i> spp.	40	40						20
<i>Gyrosigma fasciola</i>	40	20						
<i>Laboea</i> sp.							20	20
<i>Leptocylindrus minimus</i>		60						
<i>Licmophora</i> spp.		20						
<i>Mesodinium rubrum</i>	20	2680					200	320
<i>Navicula distans</i>	60	40					20	20
Pennate diatom	40	140					20	40
<i>Pleurosigma</i> / <i>Gyrosigma</i>	20	40						
<i>Pleurosigma angulatum</i>		20					20	
<i>Pseudo-nitzschia delicatissima</i> group	120	500					200	360
<i>Rhizosolenia hebetata</i> f. <i>semispina</i>		20						
<i>Thalassiosira punctigera</i>								
<i>Thalassiosira</i> spp.		20						
Tintinnida	20	140						60
Unarmoured dinoflagellate	20	20						
4-Mar-03								
<i>Actinopterychus senarius</i>					40	20		
<i>Alexandrium fundyense</i>								20
<i>Amphidinium carterae</i>		40			20			20
Armoured dinoflagellate	20				40			
Centric diatom								20
<i>Ceratium longipes</i>				20				
<i>Chaetoceros</i> spp. (Hyalochaete)	20						20	
<i>Chaetoceros</i> spp. (Phaeoceros)						20		
<i>Commatia cryoporinum</i>						20	40	60
Copepoda							20	
<i>Corethron hystrix</i>							20	20
<i>Cylindrotheca closterium</i>	140	80	100	60	700	380	120	200
<i>Cylindrotheca gracilis</i>						40		
<i>Dictyocha speculum</i>	20	20	40		20		20	20
<i>Ditylum brightwellii</i>				20				
<i>Eutreptiella</i> sp.	20						40	20
<i>Guinardia delicatula</i>	20		40					
<i>Gyrodinium</i> spp.	20		80	20		20	20	
<i>Gyrosigma fasciola</i>		20			20			
<i>Gyrosigma littorale</i>		20						
<i>Gyrosigma tenuissimum</i>		20						
<i>Leptocylindrus minimus</i>	40						20	20
<i>Licmophora</i> spp.	20		20					
<i>Melosira moniliformis</i>	20	20						

4-Mar-03 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Mesodinium rubrum</i>	460	380	1020	20	20		100	260
<i>Navicula distans</i>	60	20		40	60	80	80	60
<i>Notholca</i> spp.			20					
<i>Paralia sulcata</i>								
Pennate diatom	100	380	120	60	180	100	40	120
<i>Pleurosigma</i> / <i>Gyrosigma</i>		40						
<i>Pleurosigma angulatum</i>						40		20
<i>Prorocentrum</i> sp. (small)						20		
<i>Protoperidinium</i> spp.						20		
<i>Pseudo-nitzschia delicatissima</i> group	260	40	100	180	420	220	60	60
<i>Rhizosolenia hebetata</i> f. <i>semispina</i>		20						
<i>Rhizosolenia setigera</i>								
<i>Skeletonema costatum</i>			40	20			40	
<i>Thalassionema nitzschioides</i>			20					
<i>Thalassiosira nordenskiöldii</i>	20							
<i>Thalassiosira</i> spp.	40			40	20			
Tintinnida	20		60		20		120	60
Unarmoured dinoflagellate								
1-Apr-03								
<i>Amphidinium carterae</i>				20		40		20
Armoured dinoflagellate	20	20		20	20		60	
<i>Aulacoseira ambigua</i>								20
Centric diatom			20					
<i>Chaetoceros socialis</i>								20
<i>Chaetoceros</i> spp. (Hyalochaete)			20	20			40	
<i>Chaetoceros</i> spp. (Phaeoceros)				20				
<i>Commaion cryoporinum</i>	20			40		60	40	40
<i>Cylindrotheca closterium</i>	120		80	160	100	220	160	40
<i>Dictyocha speculum</i>	40	40		100	20	40	20	40
Dinobryon spp.							20	
<i>Ditylum brightwellii</i>					20			
<i>Eutreptiella</i> sp.				80		20	20	40
<i>Fragilaria</i> spp.		40						
<i>Guinardia delicatula</i>				20	40			
<i>Gyrodinium</i> spp.	20	80	60	40	20	20	40	120
<i>Gyrosigma fasciola</i>	20	20					60	
<i>Laboea</i> sp.								20
<i>Leptocylindrus minimus</i>	60				20			
<i>Licmophora</i> spp.				20	20		60	
<i>Melosira moniliformis</i>					20			
<i>Mesodinium rubrum</i>	120	160	420	20	40	100	340	100
<i>Navicula distans</i>	120		100	100	20	80	80	20
Pennate diatom	180	20	60	80	100	220	780	100
<i>Pleurosigma angulatum</i>					20			
<i>Prorocentrum</i> sp. (small)								20
<i>Pseudo-nitzschia delicatissima</i> group	60	100	140	140	300	380	120	100
<i>Rhizosolenia hebetata</i> f. <i>semispina</i>	20		20			20		20
<i>Rhizosolenia setigera</i>							20	
<i>Scrippsiella trochoidea</i>								20
<i>Skeletonema costatum</i>	20					60		
<i>Tabellaria</i> spp.							20	
<i>Thalassiosira baltica</i>						20		
<i>Thalassiosira nordenskiöldii</i>								20

1-Apr-03 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Thalassiosira</i> sp. (tiny)						20		
<i>Thalassiosira</i> spp.	20	20	60	80	160	60		
Tintinnida	40	80		100			120	100
Unarmoured dinoflagellate		20		80	60	80		200
29-Apr-03								
<i>Alexandrium fundyense</i>	20		20					
<i>Alexandrium ostenfeldii</i>	20		20					
<i>Amphidinium carterae</i>					20			
<i>Apedinella radians</i>	20							
Armoured dinoflagellate	40		20	40	20	40	40	20
<i>Asteroplanus karianus</i>		20				20		
<i>Aulacoseira ambigua</i>						20		
Centric diatom	20	40	20	20			20	40
<i>Chaetoceros debilis</i>		20						
<i>Chaetoceros decipiens</i>		20						
<i>Chaetoceros pseudocrinitus / furcellatus</i>	20							
<i>Chaetoceros similis</i>	40							
<i>Chaetoceros simplex</i>			20				20	
<i>Chaetoceros socialis</i>							20	
<i>Chaetoceros</i> spp. (Hyalochaete)	20		20	40	20	20	40	140
<i>Chaetoceros</i> spp. (Phaeoceros)				20		40		
<i>Commation cryoporinum</i>				20		40		
Copepoda	40					20		
<i>Coscinodiscus</i> spp.					20	20		
<i>Cylindrotheca closterium</i>	80	20	20	340	180	220	20	
<i>Dictyocha speculum</i>		80	80	60				60
<i>Dinobryon</i> spp.							60	
<i>Ditylum brightwellii</i>				20	20	20		20
<i>Eutreptiella</i> sp.	80		60	480				140
<i>Grammatophora marina</i>						40		
<i>Gyrodinium</i> spp.	240		60	120	140	40		
<i>Gyrosigma fasciola</i>							20	
<i>Heterocapsa triquetra</i>								40
<i>Laboea</i> sp.	60			40				
<i>Lauderia annulata</i>		40						
<i>Leptocylindrus minimus</i>	20						60	40
<i>Licmophora</i> spp.				20				
<i>Melosira moniliformis</i>				40				
<i>Mesodinium rubrum</i>	2740	40	240	560	60		1040	2580
<i>Navicula distans</i>	60		20	60		60		
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>	20			160	20	80		
<i>Neodenticula seminae</i>		20						
<i>Odontella aurita</i>	20							20
<i>Paralia sulcata</i>				20				
Pennate diatom	60	240	80	80	140	120	240	40
<i>Pleurosigma / Gyrosigma</i>		20					20	
<i>Porosira glacialis</i>			20					
<i>Prorocentrum minimum</i>	20			20				
<i>Protoperdinium</i> spp.					20			
<i>Pseudo-nitzschia delicatissima</i> group	540	640	320	680	200	240		60
<i>Pseudo-nitzschia seriata</i> group						20		
<i>Ptychocylis</i> spp.	20							
<i>Rhabdonema</i> spp.			20					

29-Apr-03 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Rhizosolenia hebetata</i> f. <i>semispina</i>		20		40				
<i>Skeletonema costatum</i>	80	280	100	20		20		20
<i>Thalassionema nitzschioides</i>	20			20	20	40		
<i>Thalassiosira gravida</i>	20							20
<i>Thalassiosira nordenskioeldii</i>		20		20				20
<i>Thalassiosira punctigera</i>						20		
<i>Thalassiosira</i> spp.	40	20	40	320	100	200		
Tintinnida	1320	260	40	200	20		180	4240
Unarmoured dinoflagellate	80			80				240
6-May-03								
<i>Achnanthes</i> sp.							20	
<i>Actinopterychus senarius</i>						40		
<i>Alexandrium fundyense</i>	20		20	60				
<i>Alexandrium ostenfeldii</i>	20							
<i>Amphidinium carterae</i>	20						20	
<i>Amylax triacantha</i>								20
Armoured dinoflagellate	20	120		40			20	60
<i>Aulacoseira ambigua</i>					20			
Centric diatom			20			20		
<i>Ceratium longipes</i>		40						
<i>Chaetoceros contortus</i>		20						
<i>Chaetoceros convolutus</i> / <i>concavicornis</i>						20		
<i>Chaetoceros danicus</i>			20					
<i>Chaetoceros decipiens</i>					20			
<i>Chaetoceros pseudocrinatus</i> / <i>furcellatus</i>								320
<i>Chaetoceros simplex</i>								20
<i>Chaetoceros socialis</i>		60						
<i>Chaetoceros</i> spp. (Hyalochaete)	40	140	40	180	60	20	20	320
<i>Chaetoceros</i> spp. (Phaeoceros)			40					
<i>Chaetoceros subtilis</i>		20						
<i>Chaetoceros teres</i>					40			20
<i>Commation cryoporinum</i>			20					
Copepoda		20					20	
<i>Corethron hystrix</i>			20					
<i>Coscinodiscus</i> spp.			20		80			
<i>Cylindrotheca closterium</i>	40	40	60	100	200	60	140	60
<i>Cylindrotheca gracilis</i>					20			
<i>Detonula pumila</i>	20							
<i>Dictyocha speculum</i>	40	20	20	20	20			80
<i>Dinobryon</i> spp.							120	20
<i>Ditylum brightwellii</i>	20				20			20
<i>Eucampia zodiacus</i>					20			
<i>Eutreptiella</i> sp.	100	420	1780	1560	20		1600	5280
<i>Gyrodinium</i> spp.	80	20	140	100	80	180	20	140
<i>Gyrosigma fasciola</i>		40						
<i>Heterocapsa triquetra</i>		40		40				20
<i>Laboea</i> sp.		100	60	80			20	100
<i>Leptocylindrus minimus</i>	40	40	20	20				20
<i>Licmophora</i> spp.		20		20	20			
<i>Melosira moniliformis</i>				20				
<i>Membraneis challengerii</i>						20		
<i>Mesodinium rubrum</i>	360	7520	2280	820		60	840	4800
<i>Navicula distans</i>	40	80		20	120	40	20	

6-May-03 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>		20	80					
<i>Odontella aurita</i>						40		
<i>Paralia sulcata</i>	20							
Pennate diatom	40	40	40	40	360	60	80	20
<i>Pleurosigma</i> / <i>Gyrosigma</i>		40				20		
<i>Pleurosigma angulatum</i>	20					20		
<i>Porosira glacialis</i>		20		60	20			20
<i>Prorocentrum minimum</i>		20						
<i>Protoberidinium</i> spp.				20				
<i>Pseudo-nitzschia delicatissima</i> group	540	1020	700	580	280	140	220	440
<i>Ptychocylis</i> spp.			20	40				
<i>Rhizosolenia hebetata</i> f. <i>semispina</i>	20		60	80	20	360		
<i>Skeletonema costatum</i>	60	420	160		20	40	60	
<i>Thalassionema nitzschioides</i>		20			40			
<i>Thalassiosira anguste-lineata</i>		20		20				
<i>Thalassiosira gravis</i>	20							
<i>Thalassiosira nordenskiöldii</i>	20		20				80	80
<i>Thalassiosira punctigera</i>				60		40		
<i>Thalassiosira</i> spp.		120	80	240	320	80	80	40
Tintinnida	1120	440	2020	260	20		2800	1540
Unarmoured dinoflagellate	20	180	20	200	40			240
13-May-03								
<i>Achnanthes</i> sp.							20	
<i>Alexandrium fundyense</i>		80	120					
<i>Amylax triacantha</i>								20
Armoured dinoflagellate	680	40	140	120		40	20	60
<i>Aulacoseira ambigua</i>			40					
Centric diatom	80							
<i>Chaetoceros atlanticus</i>					40			
<i>Chaetoceros constrictus</i>		80						120
<i>Chaetoceros convolutus</i> / <i>concavicornis</i>					20			
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>								20
<i>Chaetoceros debilis</i>		40	20	40			20	
<i>Chaetoceros decipiens</i>				20				
<i>Chaetoceros simplex</i>		40	20					20
<i>Chaetoceros socialis</i>	160				40			
<i>Chaetoceros</i> spp. (Hyalochaete)	40	160	140	240	20	40	160	160
<i>Chaetoceros</i> spp. (Phaeoceros)				40				
<i>Chaetoceros teres</i>							20	40
<i>Commation cryoporinum</i>	40			40	20			40
Copepoda			20					
<i>Coscinodiscus</i> spp.				40	20			
<i>Cylindrotheca closterium</i>	120	40	240	400	220	80	100	80
<i>Dictyocha speculum</i>	320	400	440	160			60	60
<i>Dinobryon</i> spp.							40	20
<i>Ditylum brightwellii</i>		40	20	60	20			
<i>Eucampia zodiacus</i>	40							
<i>Eutreptiella</i> sp.	3320	3960	4240	1620	40		2980	1200
<i>Grammatophora marina</i>								20
<i>Guinardia delicatula</i>						20		
<i>Gyrodinium</i> spp.	320	320	160	20	60	80		40
<i>Gyrosigma fasciola</i>							20	
<i>Heterocapsa triquetra</i>		120	140					20

13-May-03 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Laboea</i> sp.	480	40	80				20	40
<i>Leptocylindrus minimus</i>	80	80	60	20			80	
<i>Licmophora</i> spp.				20			20	
<i>Melosira monoliformis</i>					20			
<i>Melosira nummuloides</i>						40		
<i>Membraneis challenger</i>					40			
<i>Mesodinium rubrum</i>	11840	8080	5640	180	40	40	1280	1580
<i>Navicula distans</i>			20		60	60	20	
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>	120	120	80	180		60	80	20
<i>Odontella aurita</i>							20	
Pennate diatom		40		140	280	120	120	20
<i>Pleurosigma</i> / <i>Gyrosigma</i>	40	40						
<i>Pleurosigma angulatum</i>						20	20	
<i>Porosira glacialis</i>			40					
<i>Protoperidinium ovatum</i>								20
<i>Protoperidinium</i> spp.				20				20
<i>Pseudo-nitzschia delicatissima</i> group	2080	3280	2460	1620	220	140	260	680
<i>Ptychocylis</i> spp.	40			20				
<i>Rhizosolenia hebetata</i> f. <i>semispina</i>	80	200	80		20	100		20
<i>Skeletonema costatum</i>	400	240	360	60		60	40	60
<i>Thalassionema nitzschioides</i>	80		20	40				60
<i>Thalassiosira anguste-lineata</i>		40	20	20				
<i>Thalassiosira baltica</i>		40					40	
<i>Thalassiosira gravida</i>	40					20		
<i>Thalassiosira nordenskiöldii</i>				80			80	40
<i>Thalassiosira punctigera</i>			60	60		20	20	
<i>Thalassiosira</i> spp.	360	440	920	700	240	120	40	100
Tintinnida	8320	23400	1180	40	40	60	320	580
Unarmoured dinoflagellate		280	600	160	20		40	160
20-May-03								
<i>Alexandrium fundyense</i>	60	100	160	280	40			80
<i>Alexandrium ostenfeldii</i>								60
<i>Amphidinium sphenoides</i>								20
<i>Apedinella radians</i>				80				
Armoured dinoflagellate		220	120	560		20	20	
<i>Asterionellopsis glacialis</i>		20				20		
<i>Aulacoseira ambigua</i>	20		280				20	940
Centric diatom	20							20
<i>Chaetoceros atlanticus</i>	20							
<i>Chaetoceros constrictus</i>	20	40						1960
<i>Chaetoceros debilis</i>	120	20	40		20			680
<i>Chaetoceros decipiens</i>								20
<i>Chaetoceros pseudocrinitus</i>			40					20
<i>Chaetoceros simplex</i>			40					320
<i>Chaetoceros socialis</i>	100							
<i>Chaetoceros</i> spp. (Hyalochaete)	100	100	80	720	180	20	160	740
<i>Chaetoceros teres</i>	20							220
<i>Commatia cryoporinum</i>			80					60
Copepoda						20		
<i>Corethron hystrix</i>				40				
<i>Coscinodiscus</i> spp.	40	20						
<i>Cylindrotheca closterium</i>	40	120	120	240	120	100	80	260
<i>Dictyocha speculum</i>	100	220	400	40	80		20	220

20-May-03 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Dinobryon</i> spp.			40					
<i>Ditylum brightwellii</i>			40					
<i>Eutreptiella</i> sp.	1800	1920	19560	6880	500	20	480	260
<i>Fragilaria</i> spp.			40					
<i>Guinardia delicatula</i>				80				
<i>Gyrodinium</i> spp.		160	240	560	40	40	40	
<i>Gyrosigma fasciola</i>		20				60		
<i>Gyrosigma tenuissimum</i>						20		
<i>Heterocapsa triquetra</i>	20	80	320	200				60
<i>Laboea</i> sp.	20	80	80	400			20	
<i>Leptocylindrus minimus</i>	60	40						20
<i>Licmophora</i> spp.		80						
<i>Melosira moniliformis</i>	20		120					
<i>Membraneis challengerii</i>				40				
<i>Mesodinium rubrum</i>	640	940	2200	1200	60	20	580	600
<i>Navicula distans</i>	120	60			20	20		
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>	100	60	40			20	40	
<i>Odontella aurita</i>		20					40	
<i>Odontella sinensis</i>	20							
<i>Paralia sulcata</i>						20		
Pennate diatom	140	60	40	120	120	200	20	180
<i>Pleurosigma</i> / <i>Gyrosigma</i>				40				
<i>Porosira glacialis</i>			40					
<i>Prorocentrum</i> sp. (small)				40				
<i>Protoperidinium</i> spp.	20			80				
<i>Pseudo-nitzschia delicatissima</i> group	880	2560	4000	3520	920	60	260	5280
<i>Ptychocylis</i> spp.	20							
<i>Rhizolenia hebetata</i> f. <i>semispina</i>	20	20	40	40		20		
<i>Skeletonema costatum</i>	100	200	120					60
<i>Thalassionema nitzschioides</i>		20			20			
<i>Thalassiosira anguste-lineata</i>				40				
<i>Thalassiosira gravida</i>				40				
<i>Thalassiosira nordenskiöldii</i>	20	20	80	160			20	540
<i>Thalassiosira</i> sp. (tiny)					20			
<i>Thalassiosira</i> spp.	140	360	160	840	420	100		340
Tintinnida	320	500	800	400	40		780	160
Unarmoured dinoflagellate	140	100	760	1320	60		40	180
26-May-03								
<i>Achnanthes</i> sp.						20		
<i>Actinopteryx senarius</i>						20		
<i>Alexandrium fundyense</i>	240	280	60	40	40		289	160
<i>Alexandrium fundyense</i> (duplet)		40						
<i>Alexandrium ostenfeldii</i>	160	60	20	40				
<i>Amphidinium carterae</i>		20						
<i>Amphidinium sphenoides</i>	80							
Armoured dinoflagellate	1040	320	180	920	160	60		160
<i>Asterionella formosa</i>			60					
<i>Asterionellopsis glacialis</i>		40						
<i>Aulacoseira ambigua</i>			20		20			
Centric diatom					40			
<i>Chaetoceros constrictus</i>		80						4960
<i>Chaetoceros contortus</i>			20		40			
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	80	40						

26-May-03 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Chaetoceros debilis</i>				200		20	3757	2400
<i>Chaetoceros decipiens</i>							289	80
<i>Chaetoceros diadema</i>	80		60	120	60	100	289	1760
<i>Chaetoceros filiformis</i>	240		40				2312	
<i>Chaetoceros furcellatus</i>		140						
<i>Chaetoceros laciniosus</i>							289	
<i>Chaetoceros pseudocrinitus / furcellatus</i>			40				11560	3040
<i>Chaetoceros radicans</i>				40				
<i>Chaetoceros similis</i>							289	
<i>Chaetoceros simplex</i>				40	20		12138	1360
<i>Chaetoceros socialis</i>								160
<i>Chaetoceros</i> spp. (Hyalochaete)			100	1000	800	260	13583	640
<i>Chaetoceros</i> spp. (Phaeoceros)					20			
<i>Chaetoceros teres</i>				80			2890	1040
<i>Commation cryoporinum</i>				40				
Copepoda				40				
<i>Corethron hystrix</i>		20						
<i>Coscinodiscus</i> spp.	320		60					
<i>Cylindrotheca closterium</i>	560	120	160	960	280	20	1445	80
<i>Cylindrotheca gracilis</i>					40			
<i>Dictyocha speculum</i>	400	360	260	640	240	40	289	400
<i>Dinobryon</i> spp.		20						
<i>Ditylum brightwellii</i>		40		40	20	20		
<i>Eutreptiella</i> sp.	4080	5760	1800	2600	2600	80	289	1040
<i>Guinardia delicatula</i>						20		
<i>Gyrodinium</i> spp.	960	820	180	680	400	20		80
<i>Heterocapsa triquetra</i>	320	200	40	360	20	20		160
<i>Laboea</i> sp.	2160	420	80	240	80			240
<i>Leptocylindrus minimus</i>		40	40	40			1156	640
<i>Licmophora</i> spp.	240							
<i>Melosira moniliformis</i>		20						
<i>Mesodinium rubrum</i>	25760	2360	2860	5080	460		11849	2880
<i>Navicula distans</i>	80		20					
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>		40	60				1156	
<i>Odontella aurita</i>						20		
<i>Paralia sulcata</i>						20		
Pennate diatom	320		40		20	140		
<i>Porosira glacialis</i>		40						
<i>Preperidinium meuneri</i>		40						
<i>Prorocentrum minimum</i>		60						
<i>Prorocentrum</i> sp. (small)								80
<i>Protoperidinium bipes</i>		20						
<i>Protoperidinium conicum</i>		20						
<i>Protoperidinium depressum</i>		40						
<i>Protoperidinium ovatum</i>		100						80
<i>Protoperidinium</i> spp.		20	20	40		20		
<i>Protoperidinium steinii</i>		40						
<i>Pseudo-nitzschia delicatissima</i> group	6320	2280	3200	2800	3280	540	80342	19360
<i>Ptychocylis</i> spp.	80	20		40	20			
<i>Rhabdonema</i> spp.			20					
<i>Scrippsiella</i> sp.								80
<i>Scrippsiella trochoidea</i>	80	80		40				

26-May-03 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Skeletonema costatum</i>	720	360	320	80	40		867	
<i>Thalassionema nitzschioides</i>	80		40	120			289	80
<i>Thalassiosira anguste-lineata</i>							289	80
<i>Thalassiosira bioculata</i>			20					
<i>Thalassiosira gravida</i>				40				
<i>Thalassiosira nordenskioeldii</i>		20	40	400	220	60	60112	16000
<i>Thalassiosira</i> sp. (tiny)		40			20		578	
<i>Thalassiosira</i> spp.	1040	500	360	4920	2080	880	6936	4000
Tintinnida	13600	3200	1400	480	120	20	578	4320
Unarmoured dinoflagellate	1440	520	340	1280	660			880
3-Jun-03								
<i>Alexandrium fundyense</i>		480	40	80	20		20	160
<i>Alexandrium fundyense</i> (duplet)		40						
<i>Alexandrium ostenfeldii</i>		120					20	
<i>Amphidinium carterae</i>		20	20	80				
<i>Amphidinium sphenoides</i>	20							160
<i>Amylax triacantha</i>			20					
Armoured dinoflagellate	40	80	140	400	100		40	480
<i>Asterionellopsis glacialis</i>		20						
Centric diatom						20		
<i>Ceratium fusus</i>	20							
<i>Chaetoceros atlanticus</i>			20		20			
<i>Chaetoceros constrictus</i>	60	40					80	
<i>Chaetoceros contortus</i>							20	
<i>Chaetoceros convolutus</i> / <i>concaucomis</i>				80				
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>		20	20				40	
<i>Chaetoceros debilis</i>	620	440	380	80	160		1160	3040
<i>Chaetoceros decipiens</i>							20	
<i>Chaetoceros diadema</i>				160	140		260	640
<i>Chaetoceros filiformis</i>	20						100	160
<i>Chaetoceros furcellatus</i>				80	80			
<i>Chaetoceros laciniosus</i>								160
<i>Chaetoceros lorenzianus</i>							20	
<i>Chaetoceros pseudocrinitus</i>		140	220				20	
<i>Chaetoceros pseudocrinitus</i> / <i>furcellatus</i>	300	280	200				1620	8480
<i>Chaetoceros radicans</i>					20			
<i>Chaetoceros similis</i>	20		80					
<i>Chaetoceros simplex</i>							400	160
<i>Chaetoceros socialis</i>	60	20	20		160		60	
<i>Chaetoceros</i> spp. (Hyalochaete)		300	400	4800	1360	200	500	5120
<i>Chaetoceros</i> spp. (Phaeoceros)					20			
<i>Chaetoceros teres</i>	160		160	80	20		320	320
<i>Commation cryoporinum</i>				80	60			
<i>Coscinodiscus</i> spp.	20	20	40					
<i>Cylindrotheca closterium</i>	240	140	240	1120	780	140	360	320
<i>Dictyocha speculum</i>	40	140	400	320				160
<i>Dinophysis acuminata</i>	40							
<i>Dinophysis norvegica</i>	20							
<i>Ditylum brightwellii</i>					20	20		
<i>Eucampia zodiacus</i>							20	
<i>Eutreptiella</i> sp.	80	120	120	160	60		60	
<i>Fragilaria</i> spp.		20						

3-Jun-03 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Gyrodinium</i> spp.	120	340	280	240	140			
<i>Gyrosigma fasciola</i>	20	20						
<i>Heterocapsa triquetra</i>	20	20	40	240				
<i>Laboea</i> sp.	140	120	40	720			40	160
<i>Leptocylindrus minimus</i>	60	40	60	80			80	640
<i>Licmophora</i> spp.	20	40	40		20		20	
<i>Mediopyxis helysia</i>							20	
<i>Melosira</i> spp.		20						
<i>Membraneis challengerii</i>					20			
<i>Mesodinium rubrum</i>	1140	1520	2520	3440	160	80	1780	21440
<i>Navicula distans</i>	100	60			140	20	60	
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>					240			
<i>Neodenticula seminae</i>			20					
<i>Odontella aurita</i>		20						
<i>Paralia sulcata</i>					20			
Pennate diatom	60	60	40	480	180	60	80	640
<i>Pleurosigma angulatum</i>	20				20		60	
<i>Porosira glacialis</i>			20					320
<i>Preperidinium meuneri</i>		40						
<i>Protoperidinium bipes</i>		20		80				320
<i>Protoperidinium brevipes</i>		20						
<i>Protoperidinium depressum</i>			20					
<i>Protoperidinium</i> spp.	60	100		80				
<i>Pseudo-nitzschia delicatissima</i> group	2360	4520	6720	8400	1580	120	4640	21920
<i>Scrippsiella trochoidea</i>	20	80	20					
<i>Skeletonema costatum</i>	120	220	340	80	20		320	160
<i>Thalassionema nitzschioides</i>			20			20		
<i>Thalassiosira anguste-lineata</i>		20	60				40	
<i>Thalassiosira baltica</i>								160
<i>Thalassiosira gravida</i>		40	60				20	
<i>Thalassiosira nordenskiöldii</i>	680	2600	1540	2480	700	20	4100	51520
<i>Thalassiosira punctigera</i>					20			
<i>Thalassiosira</i> sp. (tiny)					60			
<i>Thalassiosira</i> spp.	800	940	1340	44000	9360	720	1260	3520
Tintinnida	820	3700	380	3440	20	80	380	1760
Unarmoured dinoflagellate	260	200	360	800	100	40		160
10-Jun-03								
<i>Achnanthes</i> sp.							160	
<i>Alexandrium fundyense</i>	579	2312	1500		75		320	2560
<i>Alexandrium fundyense</i> (duplet)								320
<i>Amphidinium spheonoides</i>		289						
Armoured dinoflagellate	193	1445	500	576		20	800	3520
<i>Asterionellopsis glacialis</i>				144				
<i>Brachionus</i> spp.							160	
Centric diatom						20		
<i>Ceratium lineatum</i>						20		
<i>Chaetoceros atlanticus</i>				144				
<i>Chaetoceros contortus</i>			250				320	
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	386	289	250					
<i>Chaetoceros debilis</i>	1930	4624	16000	144	75	220	8800	4480
<i>Chaetoceros decipiens</i>	193						320	
<i>Chaetoceros diadema</i>	1158		250		75	60	320	

10-Jun-03 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Chaetoceros filiformis</i>	1737	1156	750				1280	
<i>Chaetoceros furcellatus</i>			250	2304	4425	940	480	320
<i>Chaetoceros laciniosus</i>		289						
<i>Chaetoceros pseudocrinitus / furcellatus</i>	15440	21386	54000				26400	41280
<i>Chaetoceros radicans</i>								320
<i>Chaetoceros similis</i>							160	
<i>Chaetoceros simplex</i>		289		288			1760	
<i>Chaetoceros socialis</i>	386						480	
<i>Chaetoceros</i> spp. (Hyalochaete)	965	867	500	29952	3375	180	2720	1600
<i>Chaetoceros teres</i>		289		144			160	320
Copepoda	193		250				160	
<i>Coscinodiscus</i> spp.	579					40		
<i>Cylindrotheca closterium</i>	3474	2023	2000	5472	1275	240	1120	1280
<i>Dictyocha speculum</i>	579	2312			150			
<i>Dinophysis acuminata</i>							160	
<i>Ditylum brightwellii</i>							160	
<i>Eucampia zodiacus</i>	193						160	
<i>Eutreptiella</i> sp.	1351	4624	2000		75		160	960
<i>Fragilaria</i> spp.						20		
<i>Gyrodinium</i> spp.	193	867	1250	720	75	20	160	640
<i>Gyrosigma fasciola</i>						20		
<i>Helicostomella</i> spp.	193						960	
<i>Heterocapsa triquetra</i>	386	1156	750				320	
<i>Laboea</i> sp.	386		250				480	320
<i>Leptocylindrus minimus</i>		289	250		300		1120	320
<i>Licmophora</i> spp.		578			225		320	
<i>Membraneis challengerii</i>					75			
<i>Mesodinium rubrum</i>	8492	867	6000			40	14080	12160
<i>Navicula distans</i>		289		144		40		
<i>Odontella aurita</i>						40		
Pennate diatom	386	289			525	60	160	640
<i>Phaeocystis pouchetii</i>		289	250				160	
<i>Porosira glacialis</i>			250					
<i>Prorocentrum</i> sp. (small)								2560
<i>Protoberidinium bipes</i>			750				160	1600
<i>Protoberidinium conicum</i>							160	
<i>Protoberidinium</i> spp.	193	867	250	144			160	640
<i>Pseudo-nitzschia delicatissima</i> group	45430	71094	111685	14976	5100	200	18400	32320
<i>Scripsiella trochoidea</i>	193	578						
<i>Skeletonema costatum</i>	1544	2312	2000	576	150	20	2400	320
<i>Thalassionema nitzschoides</i>						20		
<i>Thalassiosira anguste-lineata</i>	193			144				
<i>Thalassiosira gravida</i>			500					
<i>Thalassiosira nordenskiöldii</i>	18528	39270	81749	3600	6000	260	14880	34240
<i>Thalassiosira punctigera</i>	386			288				
<i>Thalassiosira</i> sp. (tiny)								1280
<i>Thalassiosira</i> spp.	15826	15895	12250	194688	45660	3820	6720	4800
Tintinnida	9843	867	3000	432			1920	4160
Unarmoured dinoflagellate	772		250	720	225		320	640
17-Jun-03								
<i>Achnanthes</i> sp.		160						
<i>Alexandrium fundyense</i>		160	80			40	160	640

17-Jun-03 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Alexandrium ostenfeldii</i>			80					
<i>Amphidinium sphenoides</i>	80		80	432	160	120		
<i>Amylax triacantha</i>								960
Armoured dinoflagellate	80	320	240	720	160	400	80	3840
<i>Asterionellopsis glacialis</i>		160	320					
Centric diatom						40		
<i>Chaetoceros contortus</i>	80	160	80	864		160	320	640
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>		160						
<i>Chaetoceros debilis</i>	8640	9440	8880	8208	2880	840	7200	27840
<i>Chaetoceros decipiens</i>			240			40		
<i>Chaetoceros diadema</i>							80	320
<i>Chaetoceros filiformis</i>			560					
<i>Chaetoceros furcellatus</i>	7440	3840	5520	12240	8800	1400	5600	7040
<i>Chaetoceros laciniosus</i>			160				160	
<i>Chaetoceros pseudocrinitus</i>	240							
<i>Chaetoceros pseudocrinitus</i> / <i>furcellatus</i>	5600	8960	3920				4480	108800
<i>Chaetoceros radicans</i>				144				
<i>Chaetoceros similis</i>		160						
<i>Chaetoceros socialis</i>	480	1760	480	432			160	
<i>Chaetoceros</i> spp. (Hyalochaete)	560		480	7056	4000	2760	480	1920
<i>Chaetoceros teres</i>			80	144				
<i>Commatia cryporinum</i>			80					
Copepoda	80							
<i>Coscinodiscus</i> spp.	80		160			40		320
<i>Cylindrotheca closterium</i>	1200	1440	1120	3168	4960	1000	960	4800
<i>Dictyocha speculum</i>		480	400	144				
<i>Eucampia zodiacus</i>					160			
<i>Eutreptiella</i> sp.	320	320	80	576	160	40	320	3200
<i>Fragilaria</i> spp.							160	
<i>Gyrodinium</i> spp.	160	160	160	576	160	120	160	1280
<i>Helicostomella</i> spp.	240	160	80	144			240	12800
<i>Heterocapsa triquetra</i>		160		288				2240
<i>Laboea</i> sp.	80		160	144				
<i>Leptocylindrus minimus</i>	480	320	240		320		80	320
<i>Mediopyxis helysia</i>						40		
<i>Mesodinium rubrum</i>	1920	1440	1040	288		120	9680	36480
<i>Navicula distans</i>	160							
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>	160							
<i>Parafavella</i> spp.			80					
Pennate diatom	400			432	320	80		
<i>Phaeocystis pouchetii</i>	160							
<i>Pleurosigma angulatum</i>	80			144			320	320
<i>Porosira glacialis</i>	80		80					320
<i>Prorocentrum minimum</i>	160	800						
<i>Prorocentrum</i> sp. (small)					160			2560
<i>Protoperidinium bipes</i>			80					
<i>Protoperidinium denticulatum</i>			80					
<i>Protoperidinium</i> spp.		160	240	288	160		80	640
<i>Pseudo-nitzschia delicatissima</i> group	17600	30240	32880	21888	13440	3640	5600	25280
<i>Ptychocylis</i> spp.				144				
<i>Scrippsiella trochoidea</i>			80					640
<i>Skeletonema costatum</i>	880	3200	1440	1008	960	80	320	640

17-Jun-03 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Thalassionema nitzschoides</i>	80					80		
<i>Thalassiosira anguste-lineata</i>			160			80		640
<i>Thalassiosira baltica</i>			80					
<i>Thalassiosira gravida</i>	80				160	120	240	320
<i>Thalassiosira nordenskiöldii</i>	17600	33120	21360	13680	4800	1000	5040	15040
<i>Thalassiosira punctigera</i>			80					
<i>Thalassiosira</i> sp. (tiny)				144	320			
<i>Thalassiosira</i> spp.	10000	12160	14240	132365	79520	37720	4240	5440
Tintinnida	240	800	320	576		80	800	3200
Unarmoured dinoflagellate	320	160	160	720	800	320	480	960
24-Jun-03								
<i>Alexandrium fundyense</i>	560	1120	160	867		240		200
<i>Alexandrium fundyense</i> (duplet)	160	80						
<i>Alexandrium ostenfeldii</i>	80	160		289				
<i>Amphidinium carterae</i>					144			
<i>Amphidinium sphenoides</i>	80		80	289	144	40	320	
Armoured dinoflagellate	1440	2400	400	867		360	240	960
<i>Asterionellopsis glacialis</i>	480	880	400	289	144		160	
<i>Brachionus</i> spp.	80	80						
Centric diatom	80		40					
<i>Ceratium horridum</i>		80						
<i>Chaetoceros contortus</i>	400	160	200	578	576	40	480	1040
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>			40					
<i>Chaetoceros debilis</i>	26080	10000	4960	57800	14256	1120	30240	3160
<i>Chaetoceros decipiens</i>	80		40					40
<i>Chaetoceros diadema</i>			280					
<i>Chaetoceros filiformis</i>	80						80	
<i>Chaetoceros furcellatus</i>			80		1440	160	240	40
<i>Chaetoceros laciniatus</i>	80	80	40				160	
<i>Chaetoceros pseudobrevis</i>						40		
<i>Chaetoceros pseudocrinitus</i> / <i>furcellatus</i>	2560	10080	4040				2240	2240
<i>Chaetoceros radicans</i>					144	40	240	120
<i>Chaetoceros similis</i>							80	
<i>Chaetoceros simplex</i>							160	
<i>Chaetoceros socialis</i>	80	80	120		144			
<i>Chaetoceros</i> spp. (Hyalochaete)	320	320		17340	16128	2680	480	80
<i>Chaetoceros teres</i>							160	
<i>Commation cryoporinum</i>			120			40	80	
Copepoda			40				160	
<i>Coscinodiscus</i> spp.		80						
<i>Cylindrotheca closterium</i>	1200	2240	640	2890	5616	800	2800	200
<i>Dactyliosolen fragilissimus</i>		80	80					
<i>Dictyocha speculum</i>	240	1360	160					280
<i>Dinophysis acuminata</i>		80		578				
<i>Dinophysis</i> spp.		160						
<i>Ditylum brightwellii</i>				867	144	40		
<i>Eucampia zodiacus</i>		80		578			80	
<i>Eutreptiella</i> sp.	320	1680	360	2601	144	40	720	800
<i>Fragilaria</i> spp.							80	
<i>Gyrodinium</i> spp.	80	240	480	289	864	80	720	
<i>Helicostomella</i> spp.	240	320	80				640	400
<i>Heterocapsa triquetra</i>	720	1840	320	289				1160

24-Jun-03 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Laboea</i> sp.	240	80	40				320	40
<i>Leptocylindrus minimus</i>	320	240	120	867			160	320
<i>Mediopyxis helysia</i>					144			
<i>Mesodinium rubrum</i>	7360	3840	4720	578		120	9840	9680
<i>Navicula distans</i>						40		
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>						40		
<i>Notholca</i> spp.	80							
<i>Paralia sulcata</i>			40			40		
Pennate diatom				289	144	40	160	
<i>Phaeocystis pouchetii</i>			40					
<i>Pleurosigma angulatum</i>							240	
<i>Porosira glacialis</i>	80		40	289				
<i>Preperidinium meuneri</i>		240						
<i>Prorocentrum minimum</i>		560	440					200
<i>Prorocentrum</i> sp. (small)	80	560	200	578				120
<i>Protoperidinium bipes</i>		320	120	867				
<i>Protoperidinium brevipes</i>				289				80
<i>Protoperidinium conicum</i>								120
<i>Protoperidinium denticulatum</i>				578				
<i>Protoperidinium depressum</i>	80							
<i>Protoperidinium</i> spp.	160	1280	480	578	144			160
<i>Pseudo-nitzschia delicatissima</i> group	25520	41920	8080	48552	17856	1800	6640	160
<i>Ptychocylis</i> spp.				289		80		
<i>Rhizosolenia hebetata</i> f. <i>semispina</i>		80						
<i>Scrippsiella</i> sp.	160	80					80	120
<i>Scrippsiella trochoidea</i>	480	320	40	578				40
<i>Skeletonema costatum</i>	2720	160	320	289	144	240		40
<i>Thalassionema nitzschioides</i>	80	80		289	288	80	160	
<i>Thalassiosira anguste-lineata</i>	160	240	480	289	288		240	40
<i>Thalassiosira baltica</i>				578				
<i>Thalassiosira gravida</i>	560	160	40	289	288	40	240	
<i>Thalassiosira nordenskioeldii</i>	46240	15680	880	28611	14256	360	14160	
<i>Thalassiosira punctigera</i>					144	80		
<i>Thalassiosira</i> sp. (tiny)						40		
<i>Thalassiosira</i> spp.	5200	9360	1920	115022	98640	10920	4560	240
<i>Tintinnida</i>	2400	3200	640	1734	288	320	480	1400
Unarmoured dinoflagellate	240	1360	320	2023	2016	240	320	360
3-Jul-03								
<i>Achnanthes</i> sp.	80							
<i>Alexandrium fundyense</i>	160	240	200					
<i>Alexandrium ostenfeldii</i>			40					
<i>Amphidinium sphenoides</i>	160				960			320
<i>Amylax triacantha</i>			40					240
Armoured dinoflagellate	80	1040	240		480		160	720
<i>Asterionellopsis glacialis</i>	3120	2560	760		1440		80	
<i>Brachionus</i> spp.		80	40					
<i>Chaetoceros contortus</i>	1040	800	2120		3680		1920	13280
<i>Chaetoceros debilis</i>	11680	7440	1960		18080		16800	16800
<i>Chaetoceros decipiens</i>			40				80	
<i>Chaetoceros diadema</i>							80	
<i>Chaetoceros filiformis</i>	720	160	520					80
<i>Chaetoceros furcellatus</i>	1040	640			1760		80	240

3-Jul-03 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Chaetoceros laciniosus</i>	80	160	200				80	160
<i>Chaetoceros pseudocrinitus / furcellatus</i>	1520		9680					800
<i>Chaetoceros socialis</i>			40		800			160
<i>Chaetoceros</i> spp. (Hyalochaete)		13120	160		2240		1280	80
<i>Chaetoceros teres</i>							80	
Copepoda		160						80
<i>Corethron hystrix</i>	80							
<i>Coscinodiscus</i> spp.		160			160			
<i>Cylindrotheca closterium</i>	3120	1120	400		7200		800	1040
<i>Dactyliosolen fragilissimus</i>	80	160					80	
<i>Dictyocha speculum</i>		320	440		320			160
<i>Dinophysis acuminata</i>	80	320						560
<i>Dinophysis pulchella</i>								80
<i>Ditylum brightwellii</i>								80
<i>Ebria tripartita</i>							80	160
<i>Eucampia zodiacus</i>	240	240	120		320			
<i>Eutreptiella</i> sp.	400	2240	40				160	400
<i>Gonyaulax spinifera</i>							160	
<i>Guinardia delicatula</i>							400	80
<i>Gyrodinium</i> spp.	240	480	1000		480		480	320
<i>Helicostomella</i> spp.	400	560					640	2800
<i>Heterocapsa triquetra</i>	80	560	1600				400	400
<i>Laboea</i> sp.	240	160	80					80
<i>Leptocylindrus danicus</i>		240			320			
<i>Leptocylindrus minimus</i>	1600	1360	1280		640		240	560
<i>Licmophora</i> spp.	80							
<i>Mediopyxis helysia</i>	240							
<i>Mesodinium rubrum</i>	3680	3680	2080		1120		11200	20800
<i>Navicula distans</i>	80	80			160			
<i>Paralia sulcata</i>	80							
Pennate diatom	80						160	
<i>Pleurosigma angulatum</i>	160	80					160	80
<i>Porosira glacialis</i>	160							
<i>Prorocentrum minimum</i>		320	320					240
<i>Prorocentrum</i> sp. (small)		640	520		320			
<i>Protoperidinium bipes</i>			200					80
<i>Protoperidinium conicum</i>	160		80					80
<i>Protoperidinium</i> spp.		800	120		160		240	320
<i>Protoperidinium steinii</i>	160		320					320
<i>Pseudo-nitzschia delicatissima</i> group	112160	95948	15120		40640		2240	2480
<i>Pseudo-nitzschia seriata</i> group							80	
<i>Rhizosolenia hebetata</i> f. <i>semispina</i>		80						
<i>Scrippsiella</i> sp.	160	240	280					80
<i>Scrippsiella trochoidea</i>		240	280				80	240
<i>Skeletonema costatum</i>	1840	3680	800		1280			
<i>Thalassionema nitzschioides</i>		80			160			
<i>Thalassiosira anguste-lineata</i>	320	160	200		640			
<i>Thalassiosira baltica</i>								80
<i>Thalassiosira gravida</i>	400	160	80		160		160	
<i>Thalassiosira nordenskiöldii</i>	400	1920	240		480			
<i>Thalassiosira punctigera</i>					320			
<i>Thalassiosira</i> spp.	960	2080	920		21280		80	320

3-Jul-03 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Tintinnida	720	1280	1000		960		320	1040
Unarmoured dinoflagellate	400	800	1560		2560		480	560
9-Jul-03								
<i>Alexandrium fundyense</i>	160	1920	1280	3888	80			140
<i>Alexandrium fundyense</i> (duplet)		80		720				
<i>Alexandrium ostenfeldii</i>			320					
<i>Amphidinium carterae</i>				144	80			
<i>Amphidinium sphenoides</i>	160	160	320	1440	1520	440		
<i>Amylax triacantha</i>	80		320				126	
Armoured dinoflagellate	480	1280	2720	2592	400	120		20
<i>Asterionellopsis glacialis</i>	1680	4560	2080	2448	1120	680	63	
<i>Brachionus</i> spp.			160	144				
Centric diatom				144		80		
<i>Ceratium horridum</i>		160						
<i>Chaetoceros constrictus</i>			320					
<i>Chaetoceros contortus</i>	5360	12800	14080	30384	11040	760	1260	
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	80							
<i>Chaetoceros debilis</i>	10000	4960	5600	8352	4960	40	9120	40
<i>Chaetoceros decipiens</i>	80		160	144		40	126	
<i>Chaetoceros diadema</i>					80			
<i>Chaetoceros filiformis</i>			1280					
<i>Chaetoceros furcellatus</i>		80			240	240		
<i>Chaetoceros laciniosus</i>	80	720	160				126	
<i>Chaetoceros pseudocrinitus</i>	2560							
<i>Chaetoceros pseudocrinitus</i> / <i>furcellatus</i>	2560	4400					63	
<i>Chaetoceros socialis</i>	1840	2960	1280				1134	
<i>Chaetoceros</i> spp. (Hyalochaete)	480	3760	11200	24192	12240	1640	63	
<i>Chaetoceros</i> spp. (Phaeoceros)		80				40		
<i>Chaetoceros teres</i>						40		
<i>Commaion cryoporinum</i>	80			288	160	40		
Copepoda						40	63	20
<i>Corethron hystrix</i>		80				40		
<i>Coscinodiscus</i> spp.							63	
<i>Cylindrotheca closterium</i>	2240	960	4000	2304	7600	3040	630	20
<i>Dactyliosolen fragilissimus</i>	480	160	1600	288	160	80	189	
<i>Dictyocha speculum</i>	80	240		576	80			240
<i>Dinobryon</i> spp.			160		80			
<i>Dinophysis acuminata</i>		80	960	2304			252	340
<i>Dinophysis norvegica</i>			320					
<i>Dietylum brightwellii</i>		80						
<i>Ebria tripartita</i>								20
<i>Eucampia zodiacus</i>		240	320	432	240	40		
<i>Eutreptiella</i> sp.	1520	1440	5440	6048	320		126	260
<i>Favella</i> spp.				144				
<i>Fragilaria</i> spp.		80	320				126	
<i>Gonyaulax spinifera</i>		80					63	100
<i>Guinardia delicatula</i>		80			80			60
<i>Gyrodinium</i> spp.	80	560	480	1296	800	600	630	
<i>Gyrosigma fasciola</i>	80							
<i>Helicostomella</i> spp.	880	160	320	2304	80		567	780
<i>Heterocapsa triquetra</i>		6800	13280	3312	80			1200
<i>Laboea</i> sp.	80	160	800	576			189	

9-Jul-03 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Leptocylindrus danicus</i>	80						315	160
<i>Leptocylindrus minimus</i>	1040	1200	480	1728	400	80	252	180
<i>Licmophora</i> spp.		80				40	63	
<i>Mediopyxis helysia</i>					160			
<i>Mesodinium rubrum</i>	6640	1120	18080	2592	80		18720	4920
<i>Navicula distans</i>				288	160			
<i>Paralia sulcata</i>	80							
Pennate diatom				144	560	80	126	20
<i>Pleurosigma</i> / <i>Gyrosigma</i>							63	
<i>Pleurosigma angulatum</i>	80				80		126	
<i>Porosira glacialis</i>			160					
<i>Prorocentrum minimum</i>		80	2880					
<i>Prorocentrum</i> sp. (small)	80	160	320	2016				20
<i>Protoperidinium bipes</i>		80	160					
<i>Protoperidinium brevipes</i>	80							
<i>Protoperidinium conicum</i>			160				63	60
<i>Protoperidinium depressum</i>		80	160					
<i>Protoperidinium</i> spp.		720	160	864				260
<i>Protoperidinium steinii</i>	80		1280		480	40		
<i>Pseudo-nitzschia delicatissima</i> group	10080	3360	5440	6768	20560	9440	1512	180
<i>Pseudo-nitzschia seriata</i> group				144				
<i>Ptychocylis</i> spp.			480	144				
<i>Scrippsiella</i> sp.		1040	1760	1008	80			140
<i>Scrippsiella trochoidea</i>	160	320	160					60
<i>Skeletonema costatum</i>	160	720	160	432	240			
<i>Stephanopyxis turris</i>			160					
<i>Tabellaria</i> spp.	80							
<i>Thalassionema nitzschioides</i>						40		
<i>Thalassiosira anguste-lineata</i>		240	160	576	400			
<i>Thalassiosira gravida</i>		80	160	720	720	280		
<i>Thalassiosira nordenskioeldii</i>		80	160					
<i>Thalassiosira punctigera</i>					80			
<i>Thalassiosira</i> spp.	400	240	1120	7632	9120	2640		
Tintinnida	720	1520	2080	1584	800	400	693	1160
Unarmoured dinoflagellate	240	720	2240	2160	1280	1320	63	160
15-Jul-03								
<i>Achnanthes</i> sp.						20		
<i>Alexandrium fundyense</i>	160	44506	3060	240	80			240
<i>Alexandrium fundyense</i> (duplet)		1156	40	40				
<i>Alexandrium ostenfeldii</i>								20
<i>Amphidinium carterae</i>						20		
<i>Amphidinium sphenoides</i>		289		480	280	300		
<i>Amylax triacantha</i>							40	20
<i>Apedinella radians</i>						20		
Armoured dinoflagellate	200	13872	160	240	440	160		300
<i>Asterionellopsis glacialis</i>	1600	289	40	240	360	180	40	
<i>Aulacoseira ambigua</i>					40			
<i>Brachionus</i> spp.		867						20
<i>Ceratium longipes</i>				40		20		
<i>Ceratium</i> spp.								20
<i>Chaetoceros constrictus</i>	40	2023	40					
<i>Chaetoceros comortus</i>	1280	23120	2400	8280	3920	2580	360	

15-Jul-03 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>			80					
<i>Chaetoceros debilis</i>		289	960	440	280		1600	20
<i>Chaetoceros decipiens</i>	40						80	
<i>Chaetoceros diadema</i>							40	
<i>Chaetoceros filiformis</i>		8381	80					
<i>Chaetoceros furcellatus</i>				40				
<i>Chaetoceros laciniosus</i>							40	
<i>Chaetoceros pseudobrevis</i>						40		
<i>Chaetoceros pseudocrinitus</i> / <i>furcellatus</i>	2440	5780	800					
<i>Chaetoceros radicans</i>					40			
<i>Chaetoceros simplex</i>							120	40
<i>Chaetoceros socialis</i>			520	560	120	20	5680	640
<i>Chaetoceros</i> spp. (Hyalochaete)	200		360	3480	3120	700	80	20
Copepoda							80	20
<i>Coscinodiscus</i> spp.	280				40			
<i>Cylindrotheca closterium</i>	3160	1156	1080	5160	5840	1040	2160	240
<i>Dactyliosolen fragillissimus</i>	120		920	720	360	140	160	220
<i>Dictyocha speculum</i>		289	80	200		40	80	3440
<i>Dinobryon</i> spp.			80					
<i>Dinophysis acuminata</i>			280					440
<i>Dinophysis norvegica</i>								140
<i>Dinophysis</i> spp.								100
<i>Ditylum brightwellii</i>					80			
<i>Ebria tripartita</i>				80	120			660
<i>Eucampia zodiacus</i>		578						
<i>Eutreptiella</i> sp.		1156	560	80	160	20	200	780
<i>Fragilaria</i> spp.	40	289					40	20
<i>Gonyaulax spinifera</i>								20
<i>Guinardia delicatula</i>	120		160					420
<i>Gyrodinium</i> spp.		578	320	280	240	200	40	
<i>Gyrosigma fasciola</i>							40	
<i>Helicostomella</i> spp.	240		440	40			80	1940
<i>Heterocapsa triquetra</i>		91613	2680	160				700
<i>Laboea</i> sp.		289	40	40			240	20
<i>Leptocylindrus danicus</i>	40		40	120	320			160
<i>Leptocylindrus minimus</i>		867	160	160	240	40	1280	100
<i>Mediopyxis helysia</i>					80	60		
<i>Mesodinium rubrum</i>		578	3720	120		120	4800	9560
<i>Navicula distans</i>	120			40	80		40	
<i>Notholca</i> spp.		578					40	
<i>Paralia sulcata</i>						20		
Pennate diatom	80		40		200	40	40	100
<i>Phaeocystis pouchetii</i>			40					
<i>Pleurosigma angulatum</i>						20	320	
<i>Porosira glacialis</i>			40					
<i>Prorocentrum minimum</i>			40					
<i>Prorocentrum</i> sp. (small)		867	160	120	280			
<i>Protoperidinium bipes</i>			80	40	40			20
<i>Protoperidinium conicum</i>			40				40	40
<i>Protoperidinium</i> spp.		289	80			100		
<i>Protoperidinium steinii</i>			160	240				100
<i>Pseudo-nitzschia delicatissima</i> group	1000	3179	1720	7640	6640	1840	1400	680

15-Jul-03 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Ptychocylis</i> spp.				40				
<i>Scrippsiella</i> sp.	40		400					120
<i>Scrippsiella trochoidea</i>		23120	1360					80
<i>Skeletonema costatum</i>	920	2312	360	240	120	100		20
<i>Tabellaria</i> spp.							40	
<i>Thalassionema nitzschioides</i>				40				
<i>Thalassiosira anguste-lineata</i>		289	160	40				
<i>Thalassiosira gravida</i>	120		40			80		
<i>Thalassiosira punctigera</i>					80			
<i>Thalassiosira</i> spp.		289	40	320	600	240		
Tintinnida	840	2890	440	480	600	660	40	1340
Unarmoured dinoflagellate		2023	240	960	1240	540	40	100
22-Jul-03								
<i>Alexandrium fundyense</i>	4880	54910						1520
<i>Alexandrium fundyense</i> (cyst)		289						
<i>Alexandrium fundyense</i> (duplet)	40							80
<i>Alexandrium fundyense</i> (planozygote)	40	1734						
<i>Amphidinium carterae</i>	40							
<i>Amphidinium sphenoides</i>		289						
<i>Amylax triacantha</i>	160							
Armoured dinoflagellate	720	578					160	240
<i>Asterionellopsis glacialis</i>	720	289						160
<i>Cerataulina pelagica</i>								2160
<i>Ceratium longipes</i>								240
<i>Ceratium</i> spp.	40							
<i>Chaetoceros contortus</i>	4920	31212					560	80
<i>Chaetoceros debilis</i>	600	578					8320	6000
<i>Chaetoceros decipiens</i>							320	160
<i>Chaetoceros laciniosus</i>							160	
<i>Chaetoceros pseudocrinitus / furcellatus</i>	400	4335						
<i>Chaetoceros simplex</i>								80
<i>Chaetoceros socialis</i>	32946	2312					104040	161262
<i>Chaetoceros</i> spp. (Hyalochaete)	200							80
<i>Chaetoceros teres</i>							160	80
Copepoda		867						
<i>Corethron hystrix</i>								80
<i>Cylindrotheca closterium</i>	1920	867					1840	2720
<i>Dactyliosolen fragilissimus</i>	400						1360	1760
<i>Dictyocha speculum</i>	280	578					1840	8320
<i>Dinobryon</i> spp.		289						
<i>Dinophysis acuminata</i>	1480	2312					320	1440
<i>Ebria tripartita</i>	40						240	1120
<i>Eutreptiella</i> sp.	840						480	1040
<i>Gonyaulax spinifera</i>	80	2890						160
<i>Guinardia delicatula</i>	200	289					3680	2720
<i>Gyrodinium</i> spp.	80	289						160
<i>Gyrosigma fasciola</i>								80
<i>Helicostomella</i> spp.	160	1734						160
<i>Heterocapsa triquetra</i>	12480	122536					80	1280
<i>Laboea</i> sp.	40						2480	80
<i>Leptocylindrus danicus</i>	160	289					160	
<i>Leptocylindrus minimus</i>	1080	1445					13280	2480

22-Jul-03 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Mediopyxis helysia</i>	80						160	
<i>Mesodinium rubrum</i>	95948	26010					17040	6640
<i>Navicula distans</i>	40							
<i>Notholca</i> spp.							160	
<i>Paralia sulcata</i>								80
Pennate diatom	40							80
<i>Pleurosigma angulatum</i>	40							80
<i>Prorocentrum minimum</i>								160
<i>Prorocentrum</i> sp. (small)	80	289						
<i>Protoperidinium brevipes</i>	120	578						
<i>Protoperidinium conicum</i>	80	578						
<i>Protoperidinium</i> spp.	40							
<i>Protoperidinium steinii</i>	120	578						400
<i>Pseudo-nitzschia delicatissima</i> group	2120	2023					3600	2000
<i>Scrippsiella</i> sp.	1240	867						160
<i>Scrippsiella trochoidea</i>	440	11560						480
<i>Skeletonema costatum</i>	40	289						
<i>Stephanopyxis turris</i>							80	80
<i>Thalassiosira anguste-lineata</i>	280	578						
<i>Thalassiosira</i> spp.	80						80	
Tintinnida	1280	867					3360	1280
Unarmoured dinoflagellate	280	1156					240	80
29-Jul-03								
<i>Actinopteryx senarius</i>					40			
<i>Alexandrium fundyense</i>	1200	6480	432	144				480
<i>Alexandrium fundyense</i> (cyst)		144		144				
<i>Alexandrium fundyense</i> (duplet)		144						
<i>Alexandrium fundyense</i> (planozygote)								160
<i>Amphidinium sphenoides</i>						20		
<i>Apedinella radians</i>				144	40			
Armoured dinoflagellate	1360		144	4032	320	80	320	960
<i>Asterionellopsis glacialis</i>	1280	579	1008	1584	320	140	320	
<i>Attheya septentrionalis</i>							160	
<i>Attheya</i> spp.				288				
<i>Aulacoseira granulata</i>			144					
Centric diatom					80		160	
<i>Cerataulina pelagica</i>					200		1920	3040
<i>Ceratium horridum</i>		193						
<i>Ceratium lineatum</i>	80							
<i>Ceratium longipes</i>	80	386	288	432	40			160
<i>Ceratium macroceros</i>		193	144					
<i>Chaetoceros contortus</i>	2160	14282	62424	33813	7680	1620		160
<i>Chaetoceros debilis</i>	560	579	432	1296	160		6240	4800
<i>Chaetoceros decipiens</i>					40		1120	
<i>Chaetoceros pseudocrinitus</i>				144	40			
<i>Chaetoceros pseudocrinitus / furcellatus</i>	2480	4825	6480	7632				
<i>Chaetoceros radicans</i>				288	80			
<i>Chaetoceros socialis</i>	49920	25669	56066	71672	4760	160	208800	81600
<i>Chaetoceros</i> spp. (Hyalochaete)	160				1240	40	320	160
<i>Commation cryoporum</i>					80	20	160	
Copepoda			144	144				
<i>Coscinodiscus</i> spp.						20		

29-Jul-03 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Cylindrotheca closterium</i>	2160		144	1872	2760	940	3360	320
<i>Dactyliosolen fragilissimus</i>	1440	579	1584	1440	240		4000	960
<i>Dictyocha speculum</i>	640		144	1296	200		800	4320
<i>Dinobryon</i> spp.		193						
<i>Dinophysis acuminata</i>	800	193	720	5184	160	20		2880
<i>Dinophysis norvegica</i>	160	386		288				
<i>Dinophysis pulchella</i>							320	800
<i>Ebria tripartita</i>	80			288	80		800	2400
<i>Eutreptiella</i> sp.	160	386		1008			160	
<i>Fragilaria</i> spp.								160
<i>Gonyaulax spinifera</i>		579	288					
<i>Gonyaulax</i> spp.	80							
<i>Guinardia delicatula</i>	1360	386	1152	3600	560		35680	54720
<i>Gyrodinium</i> spp.		386	288	1296		20		
<i>Helicostomella</i> spp.	480			720				
<i>Heterocapsa triquetra</i>	11120	64158	17424	1584	80			8800
<i>Laboea</i> sp.	80						160	
<i>Leptocylindrus danicus</i>	240				40	20		
<i>Leptocylindrus mediterraneus</i>							160	
<i>Leptocylindrus minimus</i>	1120	1737	1728	1152	240		14880	640
<i>Licmophora</i> spp.	240						160	160
<i>Mesodinium rubrum</i>	1280	2895	1728	288		20	12640	21280
<i>Navicula distans</i>						60		
<i>Parafavella</i> spp.	80							
Pennate diatom	80				320	40		
<i>Pleurosigma angulatum</i>	80						960	
<i>Prorocentrum minimum</i>		193	288				160	
<i>Prorocentrum</i> sp. (small)			144	288	40	20		
<i>Protoperidinium bipes</i>					40			
<i>Protoperidinium conicum</i>			288					320
<i>Protoperidinium</i> spp.	160			144	40		160	160
<i>Protoperidinium steinii</i>		193	288	144	80			160
<i>Pseudo-nitzschia delicatissima</i> group	4080	7334	3744	9216	3440	460	2400	160
<i>Scrippsiella</i> sp.	1040	193	576					
<i>Scrippsiella trochoidea</i>	80	3474	432					160
<i>Skeletonema costatum</i>	80						960	
<i>Stephanopyxis turris</i>							160	
<i>Thalassionema nitzschioides</i>							160	
<i>Thalassiosira</i> spp.				288	120	40	160	
Tintinnida	1280	386	288	3456	560	340	1280	1920
Unarmoured dinoflagellate	320	772	2160	864	160	60	160	320
5-Aug-03								
<i>Actinopterychus senarius</i>						120		
<i>Alexandrium fundyense</i>	4160	800	7120	5920	40	40		480
<i>Alexandrium fundyense</i> (duplet)			480	480				
<i>Alexandrium fundyense</i> (planozygote)			80		40	40		
<i>Alexandrium fundyense</i> (triplet)			80					
<i>Amphidinium sphenoides</i>					80			
<i>Amylax triacantha</i>			160					120
<i>Apedinella radians</i>				160				
Armoured dinoflagellate	1600	640	3680	640	120	40	160	560
<i>Asterionellopsis glacialis</i>	2560	2560	1440	1120	400	1160	1440	

5-Aug-03 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Centric diatom						40		
<i>Cerataulina pelagica</i>	800		320	640	200	80	3040	400
<i>Ceratium horridum</i>								40
<i>Ceratium longipes</i>	320	160			80		160	360
<i>Ceratium tripos</i>								40
<i>Chaetoceros contortus</i>	2240	8000	6400	11040	2400	2200	160	
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>		160						
<i>Chaetoceros debilis</i>	800	2400	640	1280	80	40	1760	40
<i>Chaetoceros decipiens</i>		160					160	
<i>Chaetoceros furcellatus</i>						120		
<i>Chaetoceros pseudocrinitus</i>					40			
<i>Chaetoceros pseudocrinitus</i> / <i>furcellatus</i>		1600	1120					
<i>Chaetoceros simplex</i>				160				
<i>Chaetoceros socialis</i>	80000	155482	52000	51680	8480	2200	207502	840
<i>Chaetoceros</i> spp. (Hyalochaete)	640	1760	160	3040	1080	560	320	
<i>Chaetoceros teres</i>	160							
<i>Commation cryoporinum</i>		160	160	160	40	40		
Copepoda				800				40
<i>Cylindrotheca closterium</i>	2400	3360	3200	6240	2560	1720	2400	80
<i>Dactyliosolen fragilissimus</i>	1280	2720	5120	3040	680	720	3040	320
<i>Dictyocha speculum</i>	320	160	640	160	80	40	960	2800
<i>Dinophysis acuminata</i>	2880	960	1120	2080	40		320	4040
<i>Dinophysis norvegica</i>		160						80
<i>Dinophysis pulchella</i>								120
<i>Dinophysis rotundata</i>					40			
<i>Dinophysis</i> spp.		160						
<i>Ebria tripartita</i>	160	160		480			640	1920
<i>Eucampia zodiacus</i>			160	160				
<i>Eutreptiella</i> sp.	1440	1600	960	4960			160	5920
<i>Gonyaulax digitale</i>	160							80
<i>Gonyaulax spinifera</i>	480						160	240
<i>Gonyaulax</i> spp.				320				
<i>Guinardia delicatula</i>	12320	8960	3200	8000	1520	960	115022	89590
<i>Gyrodinium</i> spp.		320	640	640				
<i>Gyrosigma fasciola</i>	160							
<i>Helicostomella</i> spp.	320	2080		160				200
<i>Heterocapsa triquetra</i>	37440	15680	15840	20480	400	40	480	4200
<i>Laboea</i> sp.	320	160	960	480				
<i>Lennoxia faveolata</i>		640	160					
<i>Leptocylindrus danicus</i>	320		800	320	400	120	160	
<i>Leptocylindrus minimus</i>	4800	2400	1280	3520	600	240	6720	
<i>Licmophora</i> spp.		320	160					40
<i>Melosira moniliformis</i>							160	
<i>Mesodinium rubrum</i>	12640	1120	8000	1760	120	40	44800	33813
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>				480				
<i>Paralia sulcata</i>					40			
Pennate diatom		640	640	320		80		
<i>Prorocentrum minimum</i>		160	960	5920				80
<i>Protoperidinium bipes</i>		160						
<i>Protoperidinium brevipes</i>		160						
<i>Protoperidinium conicum</i>		320						520
<i>Protoperidinium</i> spp.			160	480	80			40

5-Aug-03 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Protoperidinium steinii</i>		480	160				160	
<i>Pseudo-nitzschia americana</i>	160		160					
<i>Pseudo-nitzschia delicatissima</i> group	4160	15680	12160	12000	4760	4240	1440	
<i>Pseudo-nitzschia seriata</i> group						40		
<i>Rhizosolenia hebetata</i> f. <i>semispina</i>							160	
<i>Scrippsiella</i> sp.	640	800	320					360
<i>Scrippsiella trochoidea</i>	2720	320	2080	640	80			
<i>Skeletonema costatum</i>	480	960	160			40		
<i>Stephanopyxis turris</i>						40	160	
<i>Thalassiosira gravida</i>			480	160	40	80		
<i>Thalassiosira nordenskiöldii</i>		320						
<i>Thalassiosira</i> spp.			160	480	40	200	160	
Tintinnida	1280	480	7040	480	120	120	480	480
Unarmoured dinoflagellate	160	960	4160	4480	120			80
12-Aug-03								
<i>Alexandrium fundyense</i>	8320	74562	9520	320	20	40		8800
<i>Alexandrium fundyense</i> (cyst)				80		40		
<i>Alexandrium fundyense</i> (duplet)	240	578	120					
<i>Alexandrium fundyense</i> (planozygote)	320	578	320					720
<i>Amphidinium carterae</i>					20			
<i>Amphidinium sphenoides</i>					20			
<i>Amylax triacantha</i>	80			80				160
<i>Apedinella radians</i>			80					
Armoured dinoflagellate	2080	3200	3200	1680	80	20	960	4960
<i>Asterionellopsis glacialis</i>	80			720			1600	
<i>Biddulphia alternans</i>	80							
<i>Brachionus</i> spp.		160	240	160				
Centric diatom						20		
<i>Cerataulina pelagica</i>	320			80	20	20	4000	160
<i>Ceratium lineatum</i>				80				
<i>Ceratium longipes</i>	80			80		20		800
<i>Ceratium</i> spp.	160							
<i>Ceratium tripos</i>	80							
<i>Chaetoceros contortus</i>			40		20			
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>			40					
<i>Chaetoceros debilis</i>	640	160	40	240		40	480	
<i>Chaetoceros decipiens</i>							160	
<i>Chaetoceros furcellatus</i>	80				20		160	
<i>Chaetoceros pseudocrinitus</i> / <i>furcellatus</i>			80					
<i>Chaetoceros radicans</i>				80				
<i>Chaetoceros simplex</i>		160	200	80	40		320	160
<i>Chaetoceros socialis</i>	94080	47520	42480	60640	5120		63680	2880
<i>Chaetoceros</i> spp. (Hyalochaete)	160		360	320	40	40	320	160
<i>Commation cryoporinum</i>					40			
<i>Coscinodiscus</i> spp.			40					
<i>Cylindrotheca closterium</i>	4800	2400	1640	4720	2540	320	5120	480
<i>Dactyliosolen fragilissimus</i>	1120	800	1040	1920	680	460	4160	160
<i>Dictyocha speculum</i>	400	320	280	400	80		800	1760
<i>Dinophysis acuminata</i>	160	1920	600	640	20		320	1600
<i>Dinophysis norvegica</i>		320	40					160
<i>Dinophysis pulchella</i>		320	680	80				
<i>Dinophysis</i> spp.	160	160		80				

12-Aug-03 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Ditylum brightwellii</i>						20		
<i>Ebria tripartita</i>	400	480	240	560	40		2400	1120
<i>Eucampia zodiacus</i>					20			
<i>Eutreptiella</i> sp.	1280	3200	1160	2240	80		320	2400
<i>Favella</i> spp.	80	160						
<i>Gonyaulax digitale</i>	160	2720	800				640	1280
<i>Gonyaulax spinifera</i>	720	1600	160					640
<i>Guinardia delicatula</i>	7760	2880	3680	5040	2100	700	64160	69938
<i>Gyrodinium</i> spp.	240	480	240	960	100		1120	
<i>Helicostomella</i> spp.	240	960	40					640
<i>Heterocapsa triquetra</i>	2320	31200	5240	960	20		1280	15360
<i>Laboea</i> sp.		960	120	320				160
<i>Lennoxia faveolata</i>							320	480
<i>Leptocylindrus danicus</i>	320							
<i>Leptocylindrus minimus</i>	720	1280	240	320	100	20	2880	640
<i>Licmophora</i> spp.	80						160	
<i>Mediopyxis helysia</i>					80			
<i>Mesodinium rubrum</i>	2400	14080	4840	560	140	20	2720	13120
<i>Navicula distans</i>	160							
<i>Parafavella</i> spp.			40					
Pennate diatom	400		160		80		640	
<i>Pleurosigma angulatum</i>	720						800	
<i>Pleurosigma strigosum</i>						400		
<i>Prorocentrum minimum</i>				80				1440
<i>Prorocentrum</i> sp. (small)	160							
<i>Protoperidinium bipes</i>			40					160
<i>Protoperidinium brevipes</i>	80	320						
<i>Protoperidinium conicum</i>	80		40					160
<i>Protoperidinium punctulatum</i>				80				
<i>Protoperidinium</i> spp.	160			400				160
<i>Protoperidinium steinii</i>	80	1120	520	400				
<i>Pseudo-nitzschia americana</i>							160	
<i>Pseudo-nitzschia delicatissima</i> group	7120	4480	7520	20320	2260	420	2080	
<i>Scrippsiella</i> sp.	1040		2960	240				4960
<i>Scrippsiella trochoidea</i>	1440	38726	9560	80				2880
<i>Skeletonema costatum</i>	80	160	200	160		20	160	
<i>Stephanopyxis turris</i>			40				160	
<i>Thalassionema nitzschioides</i>						20		
<i>Thalassiosira gravida</i>	80	160	240	80	120	20	160	160
<i>Thalassiosira punctigera</i>					20			
<i>Thalassiosira</i> spp.	80		120	240	20	20		
Tintinnida	1920	1120	800	1200	260	40	960	1440
<i>Tintinnopsis campanula</i>				80				
Unarmoured dinoflagellate	640	2080	1240	1520	100		800	480
19-Aug-03								
<i>Actinopterychus senarius</i>						40		
<i>Alexandrium fundyense</i>	9440	16000	30240				120	5920
<i>Alexandrium fundyense</i> (duplet)		320	1351					
<i>Alexandrium fundyense</i> (fusing)		480						40
<i>Alexandrium fundyense</i> (planozygote)	640	480	193				40	120
<i>Alexandrium fundyense</i> (triplet)			193					
<i>Alexandrium ostenfeldii</i>			160				80	

19-Aug-03 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Amphidinium sphenoides</i>				144				
<i>Amylax triacantha</i>	160							
Armoured dinoflagellate	4320	14720	480	5040	106	40	120	4320
<i>Asterionellopsis glacialis</i>	160	1120	800	576	212	120		
<i>Brachionus</i> spp.			160					
<i>Cerataulina pelagica</i>	480	320					200	80
<i>Ceratium lineatum</i>		160						
<i>Ceratium longipes</i>	160		160	144			320	
<i>Ceratium tripos</i>		320		144				
<i>Chaetoceros contortus</i>				144				
<i>Chaetoceros debilis</i>	960	160		432			360	
<i>Chaetoceros pseudocrinitus / furcellatus</i>			160					
<i>Chaetoceros simplex</i>	640	320		144			240	
<i>Chaetoceros socialis</i>	204000	90720	7520	54910	16960		18640	80
<i>Chaetoceros</i> spp. (Hyalochaete)	960			576	424	20	480	
Copepoda			320				120	
<i>Corethron hystrix</i>	160	160		144				
<i>Coscinodiscus</i> spp.					106	20		
<i>Cylindrotheca closterium</i>	4960	3200	800	3312	4399	640	4560	
<i>Dactyliosolen fragilissimus</i>	3360	1600	160	864	424	620	160	
<i>Dictyocha speculum</i>	480	1280	1280	576	106	20	2520	1080
<i>Dinophysis acuminata</i>	480	320	1280	2304	106			960
<i>Dinophysis pulchella</i>		160		144				80
<i>Dinophysis rotundata</i>								40
<i>Ditylum brightwellii</i>		160		432			120	
<i>Ebria tripartita</i>	1120	480	160	288			560	1880
<i>Eutreptiella</i> sp.	3360	640	640	7488	159		480	440
<i>Favella</i> spp.								40
<i>Fragilaria</i> spp.							40	
<i>Gonyaulax digitale</i>	960	2240	640				360	1520
<i>Gonyaulax spinifera</i>	800	2560	160					880
<i>Guinardia delicatula</i>	21120	5600	1280	2448	1272	1140	920	840
<i>Gyrodinium aureolum</i>			160					
<i>Gyrodinium</i> spp.	640	960	1120	1440	53	20	80	
<i>Helicostomella</i> spp.		320					80	
<i>Heterocapsa triquetra</i>	3520	13600	12960	1296		40		280
<i>Laboea</i> sp.		320	800	288			120	
<i>Lennoxia faveolata</i>	640	480					200	
<i>Leptocylindrus danicus</i>				144	53			
<i>Leptocylindrus minimus</i>	1920	800		144	53		960	
<i>Licmophora</i> spp.	1440	320	320				2000	
<i>Mediopyxis helysia</i>		160						
<i>Mesodinium rubrum</i>	4320	2880	5280	576	159		13920	280
<i>Navicula distans</i>				144		20		
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>		800					40	
<i>Paralia sulcata</i>						20		
Pennate diatom	480	160	320		53		600	
<i>Pleurosigma angulatum</i>						20		
<i>Prorocentrum micans</i>	160							120
<i>Prorocentrum minimum</i>		160		288				
<i>Prorocentrum</i> sp. (small)				144				
<i>Protoperidinium brevipes</i>	320							
<i>Protoperidinium conicum</i>							80	40

19-Aug-03 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Protoperidinium punctulatum</i>		480						
<i>Protoperidinium</i> spp.	320	640	160	288				120
<i>Protoperidinium steinii</i>		160		288			80	
<i>Pseudo-nitzschia americana</i>			640		53		960	40
<i>Pseudo-nitzschia delicatissima</i> group	14240	127738	186704	153170	29468	6000	240	520
<i>Pseudo-nitzschia seriata</i> group			800					
<i>Rhizosolenia hebetata</i> f. <i>semispina</i>						20		
<i>Scrippsiella</i> sp.	6240	23360	480				240	3440
<i>Scrippsiella trochoidea</i>	3200	12320	15633					2400
<i>Skeletonema costatum</i>	320	7680	2880	864	530	100	40	40
<i>Stephanopyxis turris</i>							40	
<i>Thalassiosira gravida</i>				576	159	40		
<i>Thalassiosira nordenskioeldii</i>				288				
<i>Thalassiosira</i> sp. (tiny)		160	640	144	212			
<i>Thalassiosira</i> spp.	800	160	800	2592	583	280		
Tintinnida	800	1440	3520	3024	53	80	760	8360
Unarmoured dinoflagellate	480	640	480	3024	265	20	240	40
26-Aug-03								
<i>Actinopteryx senarius</i>					160	20		
<i>Alexandrium fundyense</i>	578	14400	9600	289	80			720
<i>Alexandrium fundyense</i> (duplet)			320					
<i>Alexandrium fundyense</i> (planozygote)		480	160					80
<i>Alexandrium fundyense</i> (triplet)			160					
<i>Alexandrium pseudogonyaulax</i>			320					
<i>Amphidinium carterae</i>	289							
<i>Amphidinium sphenoides</i>				289	80			
<i>Amylax triacantha</i>								80
<i>Apedinella radians</i>				289				
Armoured dinoflagellate	289	9440	2240	3468	320			1840
<i>Asterionellopsis glacialis</i>	289	160	160	289	160	20	40	
<i>Brachionus</i> spp.			160	289				
<i>Cerataulina pelagica</i>	578			578	80	20	200	160
<i>Ceratium longipes</i>						20		320
<i>Ceratium tripos</i>								160
<i>Chaetoceros contortus</i>		160		289				
<i>Chaetoceros debilis</i>	1734	480	800	2023	320		1000	880
<i>Chaetoceros decipiens</i>	289					20	120	
<i>Chaetoceros furcellatus</i>		160						
<i>Chaetoceros laciniosus</i>		160		578			80	240
<i>Chaetoceros lorenzianus</i>								80
<i>Chaetoceros pseudocrinitus</i>			160					
<i>Chaetoceros radicans</i>	289			289	160			
<i>Chaetoceros simplex</i>	289		160				600	
<i>Chaetoceros socialis</i>	213282	90168	126582	32946	6320	420	11120	1280
<i>Chaetoceros</i> spp. (Hyalochaete)	867	160	160	578	400	120	160	160
<i>Commation cryoporinum</i>					80	40		
Copepoda			160				40	160
<i>Corethron hystrix</i>	289		160	578	320		40	
<i>Coscinodiscus</i> spp.			160		80			
<i>Cylindrotheca closterium</i>	2890	160	160	4046	2720	400	6840	560
<i>Dactyliosolen fragilissimus</i>	289	480	800	1734	720	440	120	
<i>Dictyocha speculum</i>	289		1920	2312	1280		1080	81498
<i>Dinobryon</i> spp.			160					

26-Aug-03 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Dinophysis acuminata</i>	289	320	960	2023				1200
<i>Dinophysis norvegica</i>	289							80
<i>Ditylum brightwellii</i>	289	480	1120	1734	400	40	320	
<i>Ebria tripartita</i>	289	160	160	578			320	6480
<i>Eucampia zodiacus</i>							200	
<i>Eutreptiella</i> sp.		160	800	4913			320	160
<i>Favella</i> spp.			160					80
<i>Gonyaulax digitale</i>	289		480				80	
<i>Gonyaulax spinifera</i>		800	160					80
<i>Gonyaulax</i> spp.			320					960
<i>Guinardia delicatula</i>	2601	640	480	1734	400	140	440	80
<i>Gyrodinium</i> spp.		320	1280	289	320	20	240	
<i>Gyrosigma balticum</i>	289							
<i>Helicostomella</i> spp.							40	1520
<i>Heterocapsa triquetra</i>	578	8000	4160					400
<i>Laboea</i> sp.		160	480	289			120	
<i>Lennoxia faveolata</i>				578			800	
<i>Leptocylindrus danicus</i>				289				
<i>Leptocylindrus minimus</i>	1734	320	480	1445	560		3440	
<i>Licmophora</i> spp.							80	
<i>Mediopyxis helysia</i>			160		80			
<i>Mesodinium rubrum</i>	1734	3200	2560	578		40	6720	11760
<i>Navicula distans</i>	289				80	20		
<i>Paralia sulcata</i>							80	
Pennate diatom				1445		40	40	
<i>Pleurosigma angulatum</i>	578				80	20		
<i>Prorocentrum micans</i>		160						
<i>Prorocentrum minimum</i>		480						
<i>Prorocentrum</i> sp. (small)				1445				
<i>Protoperidinium bipes</i>				289				
<i>Protoperidinium conicum</i>								160
<i>Protoperidinium</i> spp.	289	160	640	289				240
<i>Protoperidinium steinii</i>			160				40	
<i>Pseudo-nitzschia americana</i>			320				5680	160
<i>Pseudo-nitzschia delicatissima</i> group	221374	536168	403341	113866	47840	11000	520	720
<i>Pseudo-nitzschia seriata</i> group	578	160		289	160	40	320	
<i>Scrippsiella</i> sp.	2023	2560	1600					160
<i>Scrippsiella trochoidea</i>	578	14240	2720		80		40	320
<i>Skeletonema costatum</i>	18785	30345	47396	50864	10640	920	80	
<i>Thalassiosira anguste-lineata</i>		320	160	578				
<i>Thalassiosira baltica</i>	289		160					
<i>Thalassiosira gravida</i>	289	320	2560	2312	720	80		
<i>Thalassiosira oestrupii</i>								80
<i>Thalassiosira</i> sp. (tiny)					80			
<i>Thalassiosira</i> spp.	867	640	2080	7514	3040	380		
Tintinnida	1445		2400	1445	80	80	2240	7200
Unarmoured dinoflagellate	1445		480	2890	240		160	160
2-Sep-03								
<i>Actinopterychus senarius</i>						160		
<i>Alexandrium fundyense</i>	160		1280		80			400
<i>Alexandrium fundyense</i> (cyst)					80			
Armoured dinoflagellate	2400	320	960	3456	2600	160	40	200

2-Sep-03 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Asterionellopsis glacialis</i>	160				120	80		
<i>Cerataulina pelagica</i>	3200	1120	1440	288	80		240	
<i>Ceratium fusus</i>							80	40
<i>Ceratium lineatum</i>								120
<i>Ceratium longipes</i>	160			144	80			240
<i>Ceratium tripos</i>			160					
<i>Chaetoceros contortus</i>				144				
<i>Chaetoceros danicus</i>	160	160						
<i>Chaetoceros debilis</i>	160	1280	160		40	80	40	
<i>Chaetoceros decipiens</i>		160		1008	40			
<i>Chaetoceros filiformis</i>	160		320					
<i>Chaetoceros laciniosus</i>	960	1600	640	576	40		40	200
<i>Chaetoceros lorenzianus</i>						80	40	80
<i>Chaetoceros pseudocrinitus / furcellatus</i>	800	1120						
<i>Chaetoceros radicans</i>				144		80		
<i>Chaetoceros simplex</i>	6080	2720	3840	432	80		320	200
<i>Chaetoceros socialis</i>	27200	19680			40		3880	1520
<i>Chaetoceros</i> spp. (Hyalochaete)	640	1760	3520	4176	1280	400	40	120
<i>Commation cryoporinum</i>			160		120			
Copepoda		320					80	240
<i>Corethron hystrix</i>	800	1120	480	144	160	160		40
<i>Coscinodiscus</i> spp.		160				80		40
<i>Cylindrotheca closterium</i>	960	640	960	432	440	480	840	440
<i>Dactyliosolen fragilissimus</i>	5920	5440	8000	6336	2480	720	400	40
<i>Dictyocha speculum</i>	3200	1920	2880	3600	680		3880	142766
<i>Dinophysis acuminata</i>	320	320	160	432				480
<i>Dinophysis norvegica</i>			160	144				80
<i>Dinophysis pulchella</i>								200
<i>Dinophysis rotundata</i>								40
<i>Ditylum brightwellii</i>	1280	8160	7040	4752	1960	480	400	40
<i>Ebria tripartita</i>	160			144	120		120	1240
<i>Eucampia zodiacus</i>	320				40		40	80
<i>Eutreptiella</i> sp.	160	1600	320	288			240	1000
<i>Favella</i> spp.		160						
<i>Gonyaulax digitale</i>								160
<i>Gonyaulax spinifera</i>			160					
<i>Gonyaulax</i> spp.			160					40
<i>Guinardia delicatula</i>	2080	2240	3200	1872	2040	960	440	40
<i>Gyrodinium</i> spp.	160	640		1008	360		80	
<i>Gyrosigma fasciola</i>	160							
<i>Helicostomella</i> spp.								720
<i>Heterocapsa triquetra</i>								200
<i>Laboea</i> sp.			160				280	160
<i>Lennoxia faveolata</i>	160						480	
<i>Leptocylindrus danicus</i>		320			40			
<i>Leptocylindrus mediterraneus</i>			480					
<i>Leptocylindrus minimus</i>	7520	3680	4480	2448	360	640	1960	160
<i>Licmophora</i> spp.		160						
<i>Mediopyxis helysia</i>		320				80		
<i>Mesodinium rubrum</i>	8960	800	5440	288			4920	19880
<i>Navicula distans</i>	160	160			40		40	
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>			320	1152				

2-Sep-03 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Pennate diatom		320			200			80
<i>Pleurosigma angulatum</i>	160				40			80
<i>Prorocentrum micans</i>			160					
<i>Prorocentrum minimum</i>	160							
<i>Prorocentrum</i> sp. (small)					80			
<i>Protoperidinium bipes</i>		160	160	432	120			
<i>Protoperidinium punctulatum</i>		320					40	
<i>Protoperidinium</i> spp.		320	320					
<i>Protoperidinium steinii</i>		160						
<i>Pseudo-nitzschia americana</i>	160		320	288			4760	240
<i>Pseudo-nitzschia delicatissima</i> group	250005	385001	535001	246716	126004	59040	1800	2040
<i>Pseudo-nitzschia seriata</i> group	2080	3520	2240	1152	360	240		40
<i>Rhizosolenia setigera</i>		160		288			40	
<i>Scrippsiella</i> sp.			160					200
<i>Scrippsiella trochoidea</i>			640		40		120	2320
<i>Skeletonema costatum</i>	7840	9120	12160	10368	5360	7280	240	
<i>Stephanopyxis turris</i>		480	320					
<i>Thalassionema nitzschioides</i>		160		288	80		40	
<i>Thalassiosira anguste-lineata</i>	160		160	720	40			
<i>Thalassiosira gravida</i>	3520	11040	9760	9072	2120	1520	40	40
<i>Thalassiosira punctigera</i>					40			
<i>Thalassiosira</i> sp. (tiny)						80		
<i>Thalassiosira</i> spp.	800	800	2560	5184	4200	1200		
Tintinnida	1280	160	480	720	120	160	360	3760
Unarmoured dinoflagellate		320	320	720	480	80	160	120
9-Sep-03								
<i>Actinopterychus senarius</i>	640							
<i>Alexandrium fundyense</i>	9440	320	90746	576	120	40	40	1728
<i>Alexandrium fundyense</i> (cyst)					40			
<i>Alexandrium fundyense</i> (duplet)	160		6358					
<i>Alexandrium fundyense</i> (planozygote)	160		1734	144	80	40		
<i>Alexandrium fundyense</i> (triplet)			578					
<i>Amphidinium carterae</i>		320						
<i>Amphidinium sphenoides</i>								144
Armoured dinoflagellate	160	1600	1156	1728	680	1040	40	144
<i>Asterionellopsis glacialis</i>				144			40	
<i>Brachionus</i> spp.		160						
Centric diatom				144	120			
<i>Cerataulina pelagica</i>	640	1280	1734	144	120	200	280	576
<i>Ceratium lineatum</i>	320	160					40	144
<i>Ceratium longipes</i>	160	160	578					288
<i>Ceratium</i> spp.								144
<i>Chaetoceros contortus</i>		160		144				
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>			578					
<i>Chaetoceros danicus</i>	160		1156					
<i>Chaetoceros debilis</i>	160						160	
<i>Chaetoceros decipiens</i>		160			80		80	
<i>Chaetoceros lacinosus</i>		480	578				80	
<i>Chaetoceros lorenzianus</i>	160						40	
<i>Chaetoceros pseudocrinitus</i> / <i>furcellatus</i>	320		578					
<i>Chaetoceros radicans</i>		320						
<i>Chaetoceros simplex</i>	2080	1600	3468	144	40	80	1040	432

9-Sep-03 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Chaetoceros socialis</i>	4000	1760	578				4920	2016
<i>Chaetoceros</i> spp. (Hyalochaete)	320	1120	3468	1152	360	120	120	144
<i>Commation cryoporinum</i>					80			
Copepoda			578					
<i>Corethron hystrix</i>	160	320	578	864	200	40	80	
<i>Coscinodiscus</i> spp.				288		40	40	
<i>Cylindrotheca closterium</i>	2080	640	1156	720	200	400	480	432
<i>Dactylosolen fragilissimus</i>	1760	1440	3468	2160	1280	280	480	
<i>Dictyocha fibula</i>						40		
<i>Dictyocha speculum</i>	1920	1120	3468	864	120	80	4760	138142
<i>Dinophysis acuminata</i>	320	640				40		144
<i>Dinophysis norvegica</i>		160						144
<i>Dinophysis</i> spp.	160							
<i>Diitylum brightwellii</i>	34080	63680	131784	36576	4280	2400	440	864
<i>Ebria tripartita</i>	320	320	1156	144	40		120	144
<i>Eucampia zodiacus</i>							240	864
<i>Eutreptiella</i> sp.	160	480	1156	144			80	
<i>Favella</i> spp.	960	480	1734					
<i>Gonyaulax digitale</i>	960	320	5780					144
<i>Guinardia delicatula</i>	4960	4480	6358	5328	2320	2000	1280	2304
<i>Gyrodinium aureolum</i>			578					
<i>Gyrodinium</i> spp.	640	480	1734	720	360	280	80	432
<i>Helicostomella</i> spp.			1156					
<i>Heterocapsa triquetra</i>	320	320	1156					
<i>Laboea</i> sp.	320	480					80	
<i>Lennoxia faveolata</i>		160					120	
<i>Leptocylindrus danicus</i>	320	480	8670				480	
<i>Leptocylindrus mediterraneus</i>			1734					
<i>Leptocylindrus minimus</i>	4960	5280	6358	2160	320		360	
<i>Mediopyxis helysia</i>					80			
<i>Mesodinium rubrum</i>	7840	32320	1734	720		80	9520	66470
<i>Navicula distans</i>	160				40			
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>		320						
Pennate diatom			2312	720	80	440	160	
<i>Pleurosigma angulatum</i>	160							288
<i>Pleurosigma strigosum</i>				144				
<i>Prorocentrum</i> sp. (small)			1734					
<i>Protoperidinium bipes</i>			578		40	40	40	
<i>Protoperidinium brevipes</i>			578					
<i>Protoperidinium punctulatum</i>	160							
<i>Protoperidinium</i> spp.	480				40			
<i>Pseudo-nitzschia americana</i>							5120	1152
<i>Pseudo-nitzschia delicatissima</i> group	12640	1600	5202	5040	10160	5920	920	864
<i>Pseudo-nitzschia seriata</i> group	2240	8320	20808	2016	320	320		2736
<i>Rhizosolenia hebetata</i> f. <i>semispina</i>		160						
<i>Rhizosolenia setigera</i>							40	
<i>Rhizosolenia</i> spp.						40		
<i>Scrippsiella</i> sp.	640	960						144
<i>Scrippsiella trochoidea</i>	960	160	8092				160	1872
<i>Skeletonema costatum</i>	1600	4960	6358	3456	1480	2440	120	576
<i>Stephanopyxis turris</i>		1120	2312	144	40			288
<i>Thalassionema nitzschioides</i>				144		40		

9-Sep-03 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Thalassiosira anguste-lineata</i>	320	2560	2312	288		40		
<i>Thalassiosira gravida</i>	4640	24960	35836	11664	1960	800		576
<i>Thalassiosira</i> spp.	640	2080	4624	17568	1160	1760	40	144
Tintinnida	1440	1120	2890	576		200	360	288
Unarmoured dinoflagellate	480	160	578	864	80	80		
15-Sep-03								
<i>Alexandrium fundyense</i>	1920	14080	8106	6480	250	200	144	25090
<i>Alexandrium fundyense</i> (duplet)		80						579
<i>Alexandrium fundyense</i> (fusing)		80						
<i>Alexandrium fundyense</i> (planozygote)	160	240	579	288	125	100		579
<i>Amylax triacantha</i>		80						
<i>Apedinella radians</i>				288				
Armoured dinoflagellate		80		720	1000	150		1351
<i>Asterionellopsis glacialis</i>						100		
<i>Biddulphia alternans</i>					125			
<i>Brachionus</i> spp.					125			
Centric diatom				144	250	100		
<i>Cerataulina pelagica</i>	240		1544	432			1008	2509
<i>Ceratium lineatum</i>		160	772				576	193
<i>Ceratium longipes</i>	80	80		144				
<i>Chaetoceros constrictus</i>		480						
<i>Chaetoceros contortus</i>			193	864	500		144	
<i>Chaetoceros danicus</i>		320	579					
<i>Chaetoceros debilis</i>	240	560	386	144	375			193
<i>Chaetoceros decipiens</i>			193		125	200		
<i>Chaetoceros diadema</i>			193					
<i>Chaetoceros didymus</i>					125			
<i>Chaetoceros filiformis</i>			386				144	
<i>Chaetoceros furcellatus</i>						50		
<i>Chaetoceros laciniosus</i>	80	160	386	288				
<i>Chaetoceros lorenzianus</i>	560	240			125		576	193
<i>Chaetoceros pseudobrevis</i>					250	50		
<i>Chaetoceros simplex</i>	400	160	193	288			4752	193
<i>Chaetoceros socialis</i>	2720	2480	3667	144			6624	6369
<i>Chaetoceros</i> spp. (Hyalochaete)	1920	320	1544	7056	3750	300	3600	386
<i>Chaetoceros subtilis</i>							144	
<i>Commation cryoporinum</i>				144		100		
Copepoda				288			144	
<i>Corethron hystrix</i>	240	80	193		375	50		193
<i>Coscinodiscus</i> spp.				144				193
<i>Cylindrotheca closterium</i>	640	240	579	144	125		1728	386
<i>Dactyliosolen fragillissimus</i>	1920	880	1158	1440	1625	200	2736	2123
<i>Dictyocha speculum</i>	960	80	2509	2880	2625	200	1440	6755
<i>Dinophysis acuminata</i>	80			144	125			386
<i>Dinophysis norvegica</i>		80	386					193
<i>Dinophysis pulchella</i>	80							193
<i>Ditylum brightwellii</i>	138720	60690	186670	210392	146813	25600	3744	10808
<i>Ebria tripartita</i>	160	160		144				193
<i>Eucampia zodiacus</i>	800		193	144	250		8496	3667
<i>Eutreptiella</i> sp.	80	320	579	1008	125		720	579
<i>Favella</i> spp.				144				193
<i>Gonyaulax digitale</i>	400	1680	579	576				1737

15-Sep-03 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Gonyaulax spinifera</i>	80							
<i>Gutardia delicatula</i>	3760	880	2123	2016	2750	1800	6336	3860
<i>Gyrodinium aureolum</i>		80						
<i>Gyrodinium</i> spp.	720		193	864	1000	100	720	386
<i>Helicostomella</i> spp.	320	80						772
<i>Heterocapsa triquetra</i>	160	7280			125			193
<i>Laboea</i> sp.		80	193			50	864	386
<i>Lennoxia faveolata</i>							1152	
<i>Leptocylindrus danicus</i>	320	720	1737	288	1000	50	720	193
<i>Leptocylindrus minimus</i>	800	480	386				1872	193
<i>Licmophora</i> spp.		240						
<i>Mediopyxis helysia</i>				288				
<i>Mesodinium rubrum</i>	5200	3360	5211		625		25344	19879
<i>Navicula distans</i>	80					50		
<i>Paralia sulcata</i>	80					50		
Pennate diatom	80					250		
<i>Pleurosigma</i> / <i>Gyrosigma</i>	80		193					
<i>Pleurosigma angulatum</i>	80	80			125			
<i>Prorocentrum</i> sp. (small)				144				
<i>Protoperidinium punctulatum</i>	80			144				
<i>Protoperidinium</i> spp.			386			50		
<i>Protoperidinium steinii</i>					375			193
<i>Pseudo-nitzschia americana</i>	80				125		21168	1930
<i>Pseudo-nitzschia delicatissima</i> group	400	560	772	576	500	1850	1008	386
<i>Pseudo-nitzschia seriata</i> group	5600	1200	1930	3312	4125	500	2304	61268
<i>Rhizosolenia setigera</i>	480						432	
<i>Rhizosolenia</i> spp.				144				
<i>Scrippsiella</i> sp.		480						579
<i>Scrippsiella trochoidea</i>		240	193	288	125			1158
<i>Skeletonema costatum</i>	5120	8880	16984	10512	10000	1700	288	193
<i>Stephanopyxis turris</i>	640	160	772		1250	100		
<i>Thalassionema nitzschioides</i>	80	80	193	288	125	150	144	
<i>Thalassiosira anguste-lineata</i>	80	80	772		625			
<i>Thalassiosira baltica</i>		80						
<i>Thalassiosira gravida</i>	12400	1840	17563	50286	24875	4800	432	1737
<i>Thalassiosira oestrupii</i>				144				
<i>Thalassiosira</i> spp.	320	80	1930	3744	2875	200	288	193
Tintinnida	80	3360	193	576	250	50	288	1930
Unarmoured dinoflagellate	80	160	193	432	500	100	144	772
23-Sep-03								
<i>Alexandrium fundyense</i>	24375	74562	84388	4830	2940	665		2312
<i>Alexandrium fundyense</i> (cyst)					140			
<i>Alexandrium fundyense</i> (duplet)	750	578	1734	210	140			
<i>Alexandrium fundyense</i> (planozygote)	1500	2890	5780	140	490	385		
<i>Amphidinium carterae</i>		578	289	70				289
Armoured dinoflagellate	375			2030	1120			
<i>Asterionellopsis glacialis</i>	125			140	70			
<i>Brachionus</i> spp.					210			
Centric diatom				70	70			
<i>Cerataulina pelagica</i>	125	867		140			772	867
<i>Ceratium fusus</i>				210				
<i>Ceratium lineatum</i>	625	2890	2023	2310	210			2890

23-Sep-03 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Ceratium longipes</i>	250	1156	2312	420		35		289
<i>Ceratium tripos</i>								289
<i>Chaetoceros contortus</i>	125	867	289	770	350			
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>			289					
<i>Chaetoceros danicus</i>		578	578					
<i>Chaetoceros debilis</i>	625	578		350	420	105		
<i>Chaetoceros decipiens</i>	250			490	280		193	
<i>Chaetoceros didymus</i>				280	140			
<i>Chaetoceros laciniosus</i>	250	578			70			
<i>Chaetoceros lorenzianus</i>	500		289	350	140			289
<i>Chaetoceros pseudobrevis</i>				280	910			
<i>Chaetoceros pseudocrinitus</i> / <i>furcellatus</i>	1000	289						
<i>Chaetoceros simplex</i>			289				1351	
<i>Chaetoceros socialis</i>	8250	5202	2023				193	867
<i>Chaetoceros</i> spp. (<i>Hyalochaete</i>)	3750	3757	1734	6790	4480	560	193	289
<i>Chaetoceros subtilis</i>	125							
<i>Chrysochromulina parkeae</i>				70				
<i>Commation cryoporinum</i>				70				
Copepoda	125	289		210			193	
<i>Corethron hystrix</i>	375	578	289		560	35	193	
<i>Coscinodiscus</i> spp.	125				210	70		
<i>Coxiella ampla</i>	250	289						
<i>Cylindrotheca closterium</i>	625	867	578	280	420	175	386	289
<i>Dactyliosolen fragilissimus</i>	125	289			630		7913	5491
<i>Dictyocha speculum</i>	375	289	1156	560	770		772	2023
<i>Dinophysis acuminata</i>	125	867	578	350				289
<i>Dinophysis norvegica</i>				70				
<i>Dinophysis rotundata</i>	125	578	289	280				
<i>Ditylum brightwellii</i>	152014	98838	105774	114444	167620	44506	5597	8381
<i>Ebria tripartita</i>	250			70	140			1156
<i>Eucampia zodiacus</i>				420	140		23120	2601
<i>Eutreptiella</i> sp.	125			700			579	289
<i>Favella</i> spp.	1750	6936	1445	350				
<i>Gonyaulax digitale</i>	2000	6936	3468	980	560	35		1156
<i>Gonyaulax spinifera</i>	125							
<i>Gonyaulax</i> spp.	250							
<i>Guinardia delicatula</i>	750	1445	289	980	2100	455	21964	2601
<i>Gyrodinium</i> spp.	1875	2601	2890	3080	3220	175		578
<i>Gyrosigma fasciola</i>	125							
<i>Helicostomella</i> spp.	625	578						578
<i>Heterocapsa triquetra</i>	125	289	1156					
<i>Laboea</i> sp.	250	289	1156				193	578
<i>Lauderia annulata</i>							193	
<i>Leptocylindrus danicus</i>	250		289	280	70	35	1737	1734
<i>Leptocylindrus mediterraneus</i>	125	578						
<i>Leptocylindrus minimus</i>	250	289	867		70		1930	1445
<i>Licmophora</i> spp.		289						
<i>Mesodinium rubrum</i>	8875	6936	21097	770	630	35	3667	54910
<i>Odontella sinensis</i>	375	867		140	700	70		
Pennate diatom	375			140	70	70		
<i>Pleurosigma strigosum</i>					70			
<i>Polykrikos</i> spp.				70	560			

23-Sep-03 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Prorocentrum micans</i>	250	289						
<i>Prorocentrum minimum</i>		289						
<i>Prorocentrum</i> sp. (small)					70			
<i>Protoperidinium bipes</i>					70			
<i>Protoperidinium brevipes</i>				140	280			
<i>Protoperidinium ovatum</i>			289					
<i>Protoperidinium punctulatum</i>				70				
<i>Protoperidinium</i> spp.	625	1734	289		280	35	193	867
<i>Pseudo-nitzschia americana</i>		289	578	140	280		3281	
<i>Pseudo-nitzschia delicatissima</i> group	875	578		210	630	70	193	
<i>Pseudo-nitzschia seriata</i> group	1750	2312	2023	3150	5040	1015	36125	24276
<i>Rhizosolenia hebetata</i> f. <i>semispina</i>						35		
<i>Rhizosolenia imbricata</i>							386	
<i>Rhizosolenia setigera</i>					350			
<i>Salpingella</i> spp.				70				
<i>Scrippsiella</i> sp.	125							
<i>Scrippsiella trochoidea</i>	1250	289	867	350	70			867
<i>Skeletonema costatum</i>	10375	12427	2890	700	1330	245		289
<i>Stephanopyxis turris</i>	125		289	420	700			
<i>Thalassionema nitzschioides</i>	125	289	289	70	350	70	193	
<i>Thalassiosira anguste-lineata</i>				140	70			
<i>Thalassiosira gravida</i>	3750	867	1156	4830	6720	840	193	578
<i>Thalassiosira punctigera</i>	125				140	105		
<i>Thalassiosira</i> sp. (tiny)	125				70	35		
<i>Thalassiosira</i> spp.	500	1445	1156	1400	9030	2240		
Tintinnida	1125	5491	4046	420	770	35	965	1734
Unarmoured dinoflagellate	625	2890	1734	1610	1330	105	193	1156
29-Sep-03								
<i>Alexandrium fundyense</i>	280	1040	1480	1584	189	160	120	220
<i>Alexandrium fundyense</i> (cyst)						80		20
<i>Alexandrium fundyense</i> (duplet)			40					
<i>Alexandrium fundyense</i> (planozygote)	40	40	40	144	63	40		
<i>Alexandrium pseudogonyaulax</i>			40					
<i>Amphidinium carterae</i>		80	120					20
Armoured dinoflagellate	160	120	40	1296	252		160	20
<i>Asterionellopsis glacialis</i>	280		920	2016	567	120		40
<i>Aulacoseira ambigua</i>						120		
Centric diatom				144	126			
<i>Cerataulina pelagica</i>		120	240		126			20
<i>Ceratium fusus</i>			40					
<i>Ceratium lineatum</i>	760	1120	440	720	63		280	100
<i>Ceratium longipes</i>	80	200	80	288	126		120	
<i>Ceratium tripos</i>			40	144				
<i>Chaetoceros constrictus</i>		480						
<i>Chaetoceros contortus</i>	80	40	120	144	63	40		
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>			80					20
<i>Chaetoceros danicus</i>			40					
<i>Chaetoceros debilis</i>	280	280	840	2160	189	80		60
<i>Chaetoceros decipiens</i>	200		320	288	252	40		80
<i>Chaetoceros didymus</i>			40		126			
<i>Chaetoceros laciniosus</i>			80	288				
<i>Chaetoceros lorenzianus</i>		120	80					20

29-Sep-03 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Chaetoceros pseudobrevis</i>				144	252			
<i>Chaetoceros pseudocrinitus / furcellatus</i>		40	240					
<i>Chaetoceros radicans</i>					189			
<i>Chaetoceros simplex</i>		80	200		126		320	20
<i>Chaetoceros socialis</i>	240	1640	3040	2160	63		80	100
<i>Chaetoceros</i> spp. (Hyalochaete)	320		960	3312	1764		40	80
<i>Chaetoceros subtilis</i>			40					20
<i>Commatia cryoporinum</i>						40		
Copepoda	120	200	80	144	63	40	40	
<i>Corethron hystrix</i>	360		440	576	126	160	40	60
<i>Coscinodiscus</i> spp.	80		80	288	126	40	40	80
<i>Cylindrotheca closterium</i>	240	160	320	576	1386	160	200	180
<i>Dactyliosolen fragilissimus</i>	240	40	80	720			4080	520
<i>Dictyocha speculum</i>	160	600	280	144	63		520	200
<i>Dinophysis acuminata</i>	240	80	160	432	63		80	120
<i>Dinophysis norvegica</i>	40	200	240	144			40	60
<i>Dinophysis rotundata</i>		40	40			40	40	
<i>Ditylum brightwellii</i>	2760	560	7400	14976	7749	7680	1200	940
<i>Ebria tripartita</i>				144			120	
<i>Eucampia zodiacus</i>	280	400		144	504	120	2840	240
<i>Eutreptiella</i> sp.		80	240	432			280	
<i>Favella</i> spp.	40	400	240	288				
<i>Gonyaulax digitale</i>	600	600	560	1008				80
<i>Gonyaulax spinifera</i>								40
<i>Gonyaulax</i> spp.								40
<i>Guinardia delicatula</i>	720	120	1640	1728	819	160	4160	920
<i>Gyrodinium</i> spp.	680	280	680	1296	189	40	40	280
<i>Gyrosigma fasciola</i>						40		
<i>Helicostomella</i> spp.	600							20
<i>Heterocapsa triquetra</i>	40	40	80					
<i>Laboea</i> sp.			200	144			40	
<i>Lauderia annulata</i>							40	
<i>Lennoxia faveolata</i>		40					40	
<i>Leptocylindrus danicus</i>	160		240		126	80	5120	40
<i>Leptocylindrus mediterraneus</i>					63			
<i>Leptocylindrus minimus</i>	120	40	40	432			1400	180
<i>Mesodinium rubrum</i>	10760	2160	3800	2448			18400	8840
<i>Navicula distans</i>	40	40				120		20
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>		40						
<i>Odontella sinensis</i>	1120	480	560	1008	1575	2000	80	140
<i>Paralia sulcata</i>	40					40		
Pennate diatom	80	120	40	576	126	80	80	
<i>Pleurosigma angulatum</i>	80						40	20
<i>Polykrikos</i> spp.	240		360	1296	63		80	40
<i>Prorocentrum micans</i>		80	40				40	
<i>Prorocentrum</i> sp. (small)				144	63		40	
<i>Protoperidinium brevipes</i>	40	80						
<i>Protoperidinium conicum</i>	40							
<i>Protoperidinium depressum</i>			40	144				20
<i>Protoperidinium punctulatum</i>	80						40	
<i>Protoperidinium</i> spp.	200	480	520	576				40
<i>Protoperidinium steinii</i>		40					80	40

29-Sep-03 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Pseudo-nitzschia americana</i>	40	40	200	288	63		520	
<i>Pseudo-nitzschia delicatissima</i> group	560	80	600	1008	756	40	40	100
<i>Pseudo-nitzschia seriata</i> group	1160	320	1080	5040	1323	760	2160	520
<i>Rhizosolenia hebetata</i> f. <i>semispina</i>				144				20
<i>Rhizosolenia imbricata</i>							80	
<i>Rhizosolenia setigera</i>		80	40		315	40	200	
<i>Rhizosolenia</i> spp.							120	
<i>Scrippsiella</i> sp.				144				
<i>Scrippsiella trochoidea</i>	120	120	80		63		280	240
<i>Skeletonema costatum</i>	1040	280	5240	6768	3150	960		240
<i>Stephanopyxis turris</i>	40		40	144				
<i>Thalassionema nitzschioides</i>	120		80	144	378			
<i>Thalassiosira baltica</i>					63			
<i>Thalassiosira gravida</i>	960	240	1880	11952	3654	200	40	80
<i>Thalassiosira punctigera</i>			40	288	441			
<i>Thalassiosira</i> sp. (tiny)			120					
<i>Thalassiosira</i> spp.			40	4032	1512	40		
Tintinnida	440	280	840	864	252	40	200	340
Unarmoured dinoflagellate	360	360	520	576	1323	40	80	80
7-Oct-03								
<i>Actinopterychus senarius</i>		60	80					40
<i>Alexandrium fundyense</i>			20			20		120
<i>Alexandrium fundyense</i> (cyst)						20		
<i>Amphidinium carterae</i>	20			20				
<i>Amylax triacantha</i>								20
Armoured dinoflagellate	60			60	100	40	40	40
<i>Asterionellopsis glacialis</i>						20		
Centric diatom				20				
<i>Ceratium fusus</i>								60
<i>Ceratium lineatum</i>	40		40	60				460
<i>Ceratium longipes</i>	20		60	20				140
<i>Ceratium tripos</i>				60				
<i>Chaetoceros debilis</i>								20
<i>Chaetoceros lorenzianus</i>		20						80
<i>Chaetoceros simplex</i>	60	40	100	60		20	180	60
<i>Chaetoceros socialis</i>	540		20					180
<i>Chaetoceros</i> spp. (Phaeoceros)						20		
<i>Commatia cryoporinum</i>						20		
Copepoda	40	80	20	140				80
<i>Coscinodiscus</i> spp.	60	40	20	40	20	80	40	20
<i>Cylindrotheca closterium</i>	460	320	540	460	200	40	300	20
<i>Dactyliosolen fragilissimus</i>				20			60	
<i>Dictyocha speculum</i>	80	80	40	180	20		60	220
<i>Dinophysis acuminata</i>	40		20		20	20		160
<i>Dinophysis norvegica</i>	40	20		20	20			200
<i>Dinophysis pulchella</i>								20
<i>Dinophysis rotundata</i>	60			20			20	40
<i>Ditylum brightwellii</i>	500	180			20	80		160
<i>Ebria tripartita</i>	20			20			40	520
<i>Eutreptiella</i> sp.	80	40	180				40	40
<i>Gonyaulax digitale</i>	20	60	20	60				40
<i>Gonyaulax</i> spp.								140

7-Oct-03 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Guinardia delicatula</i>		360	20	60		40		60
<i>Gyrodinium</i> spp.	120	120	140	160	40	160	80	60
<i>Gyrosigma littorale</i>		20						
<i>Gyrosigma tenuissimum</i>	20						20	
<i>Helicostomella</i> spp.	20							20
<i>Heterocapsa triquetra</i>	20			40				
<i>Laboea</i> sp.	40		60	40			80	40
<i>Lennoxia faveolata</i>	20						560	
<i>Leptocylindrus danicus</i>	20						60	
<i>Leptocylindrus minimus</i>	20						320	
<i>Mesodinium rubrum</i>	2420	1200	1960	1200			80	91902
<i>Navicula distans</i>		60		20				
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>		60	20					
<i>Odontella sinensis</i>	180	60		20	60	40		
<i>Paralia sulcata</i>	20							
Pennate diatom	60	40	40	40		60	20	
<i>Prorocentrum micans</i>	40	20						80
<i>Prorocentrum</i> sp. (small)	20							
<i>Protoperidinium ovatum</i>			20					
<i>Protoperidinium</i> spp.	60		60	120	20			60
<i>Protoperidinium steinii</i>								20
<i>Pseudo-nitzschia americana</i>	220	120	20				120	40
<i>Pseudo-nitzschia delicatissima</i> group	500	480	320	460	80	20	20	
<i>Pseudo-nitzschia seriata</i> group						40	40	20
<i>Rhizosolenia setigera</i>								20
<i>Rhizosolenia</i> spp.						20		
<i>Scrippsiella</i> sp.								20
<i>Scrippsiella trochoidea</i>	20	80	60	40			40	1000
<i>Skeletonema costatum</i>	80				20	20	40	40
<i>Thalassionema nitzschioides</i>	40		20		20			
<i>Thalassiosira gravida</i>		20	20			20	20	
<i>Thalassiosira oestrupii</i>			20					
<i>Thalassiosira</i> spp.					60	80	20	
Tintinnida	160	40	240	220	140		220	800
<i>Tintinnopsis campanula</i>								20
Unarmoured dinoflagellate		20	80	100	40	60		80
14-Oct-03								
<i>Actinoptychus senarius</i>					140	280	40	
<i>Alexandrium fundyense</i>	60	40	120			20		80
<i>Alexandrium fundyense</i> (cyst)						20		
<i>Amphidinium carterae</i>	20	160	120					
<i>Amylax triacantha</i>								40
<i>Apedinella radians</i>		20						
Armoured dinoflagellate	40	100	360		20	20		240
<i>Asterionellopsis glacialis</i>			80	20		20		
Centric diatom					100	60		
<i>Ceratium fusus</i>			40				20	40
<i>Ceratium lineatum</i>	60	40	160	20			60	1040
<i>Ceratium longipes</i>		40	40	20				120
<i>Ceratium tripos</i>								40
<i>Chaetoceros decipiens</i>					20	20		
<i>Chaetoceros simplex</i>	180		680	160	80	80	400	240

14-Oct-03 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Chaetoceros socialis</i>	160							6200
<i>Chaetoceros</i> spp. (Hyalochaete)	20	600					20	
<i>Commation cryoporinum</i>	20				20			
Copepoda	60	80	120	100	20	20		40
<i>Corethron hystrix</i>		20						
<i>Coscinodiscus</i> spp.			40	20	40	40	20	40
<i>Cylindrotheca closterium</i>	760	1040	2160	1280	780	320	280	200
<i>Dactyliosolen fragilissimus</i>	20					20	60	40
<i>Dictyocha speculum</i>	120	60	120	60			20	2240
<i>Dinophysis acuminata</i>		40	40					80
<i>Dinophysis norvegica</i>	40		40	60				40
<i>Dinophysis rotundata</i>	60		40					80
<i>Dinophysis</i> spp.		20						
<i>Ditylum brightwellii</i>	440	120				120		40
<i>Ebria tripartita</i>	20	100	160	20	20		20	4040
<i>Eutreptiella</i> sp.	200	300	1720			20	20	520
<i>Fragilaria crotonensis</i>							20	
<i>Gonyaulax digitale</i>	60	80	120					120
<i>Gonyaulax spinifera</i>								120
<i>Guinardia delicatula</i>	20	120	240	160	20	40		400
<i>Guinardia striata</i>			40					
<i>Gyrodinium</i> spp.	80	300	800	80	120	60	20	1320
<i>Gyrosigma tenuissimum</i>	20							
<i>Helicostomella</i> spp.					100			40
<i>Heterocapsa triquetra</i>		20	160					
<i>Laboea</i> sp.	20	100	80					40
<i>Lennoxia faveolata</i>		60	40	20			1140	
<i>Leptocylindrus danicus</i>							20	
<i>Leptocylindrus minimus</i>			80				40	
<i>Mesodinium rubrum</i>	6920	5320	7960				660	45084
<i>Navicula distans</i>	20			20		20		40
<i>Odontella sinensis</i>				20		60		
<i>Paralia sulcata</i>								40
Pennate diatom	20	60	240		80	20	40	
<i>Pleurosigma</i> / <i>Gyrosigma</i>				20				
<i>Pleurosigma angulatum</i>	40							
<i>Prorocentrum micans</i>	20							40
<i>Prorocentrum minimum</i>		20		20				
<i>Protoperidinium conicum</i>		40						40
<i>Protoperidinium depressum</i>		20		20				
<i>Protoperidinium</i> spp.	20		40		60			40
<i>Protoperidinium steinii</i>			40					
<i>Pseudo-nitzschia americana</i>								1640
<i>Pseudo-nitzschia delicatissima</i> group	560	1540	1240	1260	880	300	40	
<i>Pseudo-nitzschia seriata</i> group							20	
<i>Rhizosolenia imbricata</i>								160
<i>Rhizosolenia setigera</i>							20	
<i>Scrippsiella trochoidea</i>	220	160	720	20				1760
<i>Skeletonema costatum</i>		20	200	40	20		200	
<i>Thalassionema nitzschioides</i>	40	20	120	20	40		40	320
<i>Thalassiosira gravida</i>			80				20	
<i>Thalassiosira oestrupii</i>			40					

14-Oct-03 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Thalassiosira punctigera</i>		40			20	20		
<i>Thalassiosira</i> sp. (tiny)		40						
<i>Thalassiosira</i> spp.				40	60	20		
Tintinnida	260	800	320	100	20	20	80	2320
Unarmoured dinoflagellate	80	500	2840	80		20		240
21-Oct-03								
<i>Actinopterychus senarius</i>	200	60						20
<i>Alexandrium fundyense</i>		60						100
<i>Amphidinium carterae</i>	60	40						100
<i>Amylax triacantha</i>								60
Armoured dinoflagellate	40							80
<i>Asterionellopsis glacialis</i>		20						
<i>Ceratium fusus</i>								40
<i>Ceratium lineatum</i>	20							640
<i>Ceratium longipes</i>								20
<i>Ceratium tripos</i>								20
<i>Chaetoceros furcellatus</i>							20	
<i>Chaetoceros simplex</i>	80	200					160	280
<i>Chaetoceros</i> spp. (Hyalochaete)								20
<i>Commation cryoporinum</i>							20	40
Copepoda		20					60	20
<i>Corethron hystrix</i>		80						
<i>Coscinodiscus</i> spp.	20	80						60
<i>Cylindrotheca closterium</i>	520	1120					340	500
<i>Dictyocha speculum</i>	100						60	2560
<i>Dinophysis acuminata</i>								280
<i>Dinophysis norvegica</i>		60						180
<i>Dinophysis rotundata</i>		20						100
<i>Dinophysis</i> spp.								40
<i>Ditylum brightwellii</i>	420	780					40	20
<i>Ebria tripartita</i>								300
<i>Eutreptiella</i> sp.	20	260					40	400
<i>Gonyaulax digitale</i>								120
<i>Gonyaulax spinifera</i>	20							20
<i>Guinardia delicatula</i>	60	20						80
<i>Gyrodinium</i> spp.	100	100					40	820
<i>Gyrosigma tenuissimum</i>							20	
<i>Helicostomella</i> spp.	40	20						
<i>Helicotheca tamesis</i>	20	20						
<i>Laboea</i> sp.	20	160					40	80
<i>Lennoxia faveolata</i>							160	
<i>Leptocylindrus minimus</i>	20							
<i>Mesodinium rubrum</i>	2620	2780					300	8600
<i>Navicula distans</i>	40							
<i>Odontella sinensis</i>	60							
<i>Paralia sulcata</i>	20	20						
Pennate diatom		40					40	
<i>Pleurosigma angulatum</i>		20						
<i>Polykrikos</i> spp.								80
<i>Prorocentrum micans</i>	20							80
<i>Protoperidinium depressum</i>	20							
<i>Protoperidinium</i> spp.	20	20						

21-Oct-03 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Protoperidinium steinii</i>								40
<i>Pseudo-nitzschia americana</i>							20	100
<i>Pseudo-nitzschia delicatissima</i> group	180	520						60
<i>Pseudo-nitzschia seriata</i> group								140
<i>Rhizosolenia hebetata</i> f. <i>sempina</i>								20
<i>Rhizosolenia imbricata</i>								60
<i>Rhizosolenia setigera</i>	20							
<i>Scrippsiella trochoidea</i>	40	100					20	1420
<i>Skeletonema costatum</i>	140	40					80	
<i>Thalassionema nitzschioides</i>	100	60					80	100
<i>Thalassiosira gravida</i>		20					20	40
<i>Thalassiosira</i> spp.		20						
Tintinnida	160	100					60	720
Unarmoured dinoflagellate	20	80						600
28-Oct-03								
<i>Actinopterychus senarius</i>	80	140	20	140	220	260		
<i>Alexandrium fundyense</i>			20	20	40			80
<i>Alexandrium ostenfeldii</i>				20				
<i>Amphidinium carterae</i>	20	20	40		20			40
Armoured dinoflagellate	20	60	40	40	40	40		60
<i>Asterionellopsis glacialis</i>						20		
<i>Biddulphia alternans</i>						20		
Centric diatom			20	40	60	40		
<i>Cerataulina pelagica</i>				40				
<i>Ceratium lineatum</i>		80		40				240
<i>Ceratium longipes</i>		40	20	20				20
<i>Ceratium tripos</i>					20			20
<i>Chaetoceros furcellatus</i>								20
<i>Chaetoceros simplex</i>	80	20	20	80	60	80	80	
<i>Chaetoceros</i> spp. (Hyalochaete)		40						
<i>Chaetoceros</i> spp. (Phaeoceros)				40				
<i>Commatia cryoporinum</i>			20	20	80			
Copepoda				20		60		
<i>Corethron hystrix</i>		20		20			20	
<i>Coscinodiscus</i> spp.		60	20	60	20	20	20	20
<i>Cylindrotheca closterium</i>	220	60	320	140	180	220	60	20
<i>Cylindrotheca gracilis</i>								60
<i>Dactyliosolen fragilissimus</i>							20	
<i>Dictyocha speculum</i>	40			80	60	20		780
<i>Dinophysis norvegica</i>		20			20			60
<i>Dinophysis rotundata</i>								40
<i>Dinophysis</i> spp.					20			
<i>Ditylum brightwellii</i>	500	340	200	220	440	400		60
<i>Ebria tripartita</i>	20	20	20	20				20
<i>Eutreptiella</i> sp.		100		40	40			280
<i>Gonyaulax digitale</i>	20	60	20	20				180
<i>Gonyaulax</i> spp.					20			
<i>Guinardia delicatula</i>	20	20		80				20
<i>Gyrodinium</i> spp.		80	40	140	40	40		140
<i>Gyrosigma fasciola</i>								40
<i>Gyrosigma tenuissimum</i>								20
<i>Helicostomella</i> spp.	20							20

28-Oct-03 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Helicotheca tamesis</i>			20			20		
<i>Laboea</i> sp.	20	20	80	40			20	40
<i>Leptocylindrus minimus</i>		20						
<i>Mesodinium rubrum</i>	540	1500	2100	380	60		200	6480
<i>Navicula distans</i>	20	40	60	20	60	40	20	
<i>Notholca</i> spp.		20						
<i>Odontella aurita</i>		20						
<i>Odontella regia</i>		20						
<i>Odontella sinensis</i>	20			20	20	20		
<i>Paralia sulcata</i>		40	20			20		
Pennate diatom	20	160			20	40	40	140
<i>Pleurosigma</i> / <i>Gyrosigma</i>		20						
<i>Pleurosigma angulatum</i>		40				40	40	
<i>Polykrikos</i> spp.								40
<i>Prorocentrum micans</i>								20
<i>Prorocentrum</i> sp. (small)								20
<i>Protoperidinium</i> spp.	20					20		40
<i>Protoperidinium steinii</i>		20						20
<i>Pseudo-nitzschia americana</i>	20							
<i>Pseudo-nitzschia delicatissima</i> group	200	80	200	140	220	40	60	20
<i>Pseudo-nitzschia seriata</i> group	20						40	20
<i>Rhabdonema</i> spp.							20	
<i>Rhizosolenia setigera</i>	20							
<i>Scrippsiella trochoidea</i>	40	240	40	60			60	1460
<i>Skeletonema costatum</i>	60	40	40		20			
<i>Thalassionema nitzschioides</i>		20	60	20	40	40		
<i>Thalassiosira baltica</i>					20			
<i>Thalassiosira oestrupii</i>								20
<i>Thalassiosira punctigera</i>					20			
<i>Thalassiosira</i> spp.				20	40	20		
Tintinnida	40	20	40		60			1680
Unarmoured dinoflagellate		40	20	80		40		220
4-Nov-03								
Centric diatom							40	
<i>Chaetoceros simplex</i>							40	
<i>Commatia cryporinum</i>							20	
<i>Coscinodiscus</i> spp.							20	
<i>Cylindrotheca closterium</i>							120	
<i>Dictyocha speculum</i>							40	
<i>Gyrodinium</i> spp.							60	
<i>Gyrosigma fasciola</i>							20	
<i>Gyrosigma littorale</i>							40	
<i>Laboea</i> sp.							40	
<i>Mesodinium rubrum</i>							40-40	
Pennate diatom							80	
<i>Prorocentrum</i> sp. (small)							20	
<i>Pseudo-nitzschia delicatissima</i> group							20	
<i>Scrippsiella trochoidea</i>							20	
<i>Skeletonema costatum</i>							40	
<i>Thalassionema nitzschioides</i>							20	
Tintinnida							60	
Unarmoured dinoflagellate							80	

13-Nov-03	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Actinopterychus senarius</i>	140	80				80	60	80
<i>Alexandrium pseudogonyaulax</i>			20					
<i>Amphidinium carterae</i>								60
Armoured dinoflagellate		40	60				20	80
Centric diatom						20		
<i>Chaetoceros debilis</i>							20	
<i>Chaetoceros similis</i>			20					
<i>Chaetoceros simplex</i>	20		80					
<i>Chaetoceros socialis</i>								20
<i>Chaetoceros</i> spp. (Hyalochaete)						40		40
<i>Commation cryoporinum</i>		20	20			20		
Copepoda								20
<i>Coscinodiscus</i> spp.		40				40	20	20
<i>Cylindrotheca closterium</i>	140	100	20			220	140	100
<i>Dactyliosolen fragilissimus</i>								20
<i>Dictyocha speculum</i>	20	20	20			20		240
<i>Dinophysis acuminata</i>								20
<i>Dinophysis norvegica</i>								20
<i>Ditylum brightwellii</i>	80	140	40			100	20	40
<i>Eutreptiella</i> sp.	40		40					100
<i>Gonyaulax digitale</i>	40	20	120					40
<i>Gonyaulax spinifera</i>		60						
<i>Guinardia delicatula</i>	20		40			40	20	
<i>Guinardia flaccida</i>	20							
<i>Gyrodinium</i> spp.	20		40			40		120
<i>Gyrosigma tenuissimum</i>							20	
<i>Helicotheca tamesis</i>						40		
<i>Heterocapsa triquetra</i>		20	20					20
<i>Laboea</i> sp.			40					20
<i>Leptocylindrus mediterraneus</i>		20				80		
<i>Leptocylindrus minimus</i>			60					
<i>Mesodinium rubrum</i>	2220	200	1500			20	360	2280
<i>Navicula distans</i>	40	60						20
<i>Odontella sinensis</i>		40						20
<i>Paralia sulcata</i>		20						
Pennate diatom			40			40	20	
<i>Pleurosigma angulatum</i>		40						
<i>Pleurosigma strigosum</i>		20	40			40		
<i>Prorocentrum minimum</i>						40		
<i>Prorocentrum</i> sp. (small)								20
<i>Protoperdinium</i> spp.			60					
<i>Pseudo-nitzschia delicatissima</i> group	160	340	240			260		340
<i>Pseudo-nitzschia seriata</i> group						20		40
<i>Scrippsiella trochoidea</i>		20					40	40
<i>Skeletonema costatum</i>								40
<i>Thalassionema nitzschioides</i>	60		20				20	
<i>Thalassiosira gravida</i>						20		
<i>Thalassiosira punctigera</i>			20					
<i>Thalassiosira</i> spp.						40		
Tintinnida	60	220	20			60	20	80
Unarmoured dinoflagellate						20		60

19-Dec-03	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Actinopterychus senarius</i>						40		
<i>Alexandrium fundyense</i>				40				
<i>Alexandrium fundyense</i> (cyst)				40				
Armoured dinoflagellate	40							
<i>Asterionellopsis glacialis</i>				40				
Centric diatom						20		
<i>Ceratium lineatum</i>						20		
<i>Ceratium longipes</i>				20				
<i>Ceratium tripos</i>						20		
<i>Chaetoceros decipiens</i>						20		
<i>Chaetoceros simplex</i>						40		
<i>Chaetoceros</i> spp. (Hyalochaete)	20							
<i>Commation cryoporinum</i>	20			20				
Copepoda						20		
<i>Corethron hystrix</i>			40	120		40		
<i>Coscinodiscus</i> spp.	20	20		20		20		
<i>Cylindrotheca closterium</i>	240	120	260	400		440		
<i>Cylindrotheca gracilis</i>	20			20				
<i>Dietylum brightwellii</i>	100	60	100	100		160		
<i>Guinardia delicatula</i>	20	20	80	20		80		
<i>Gyrodinium</i> spp.	40		20	20		20		
<i>Leptocylindrus minimus</i>	20		20					
<i>Mesodinium rubrum</i>	1140	120	360	400				
<i>Navicula distans</i>	20	20		20				
<i>Odontella sinensis</i>		20		20				
<i>Paralia sulcata</i>				20		20		
Pennate diatom	20	40	20	20		200		
<i>Pleurosigma</i> / <i>Gyrosigma</i>		20						
<i>Pleurosigma angulatum</i>						20		
<i>Pleurosigma strigosum</i>			40	20		20		
<i>Protoperdinium steinii</i>						20		
<i>Pseudo-nitzschia delicatissima</i> group	340	140	580	660		700		
<i>Pseudo-nitzschia seriata</i> group	20							
<i>Rhizosolenia setigera</i>			20					
<i>Scrippsiella trochoidea</i>			20					
<i>Skeletonema costatum</i>	20		40	60				
<i>Thalassionema nitzschioides</i>						20		
<i>Thalassiosira punctigera</i>				20				
<i>Thalassiosira</i> sp. (tiny)						20		
<i>Thalassiosira</i> spp.				20		100		
Tintinnida	80	20	20	40		20		
6-Jan-04								
<i>Amphidinium carterae</i>				40				
Armoured dinoflagellate	20	60	20	40				60
<i>Asterionellopsis glacialis</i>			20			20		
<i>Aulacoseira ambigua</i>				20		20		
Centric diatom				20	20	40		
<i>Ceratium lineatum</i>		20						
<i>Chaetoceros convolutus</i> / <i>concauicornis</i>			20					
<i>Chaetoceros simplex</i>	40			20				100
<i>Chaetoceros</i> spp. (Hyalochaete)						20		60
<i>Commation cryoporinum</i>	20			20			20	

6-Jan-04 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Corethron hystrix</i>	20		20	40			20	40
<i>Coscinodiscus</i> spp.	40	60	40	20		40	80	20
<i>Cylindrotheca closterium</i>	300	500	220	240	380	200	220	640
<i>Dactyliosolen fragilissimus</i>			20					
<i>Dictyocha speculum</i>				20	20			
<i>Ditylum brightwellii</i>	80	40	140	160	40	100	40	100
<i>Eutreptiella</i> sp.			20			20	20	
<i>Guinardia delicatula</i>	60	20	40		40	40	40	20
<i>Gyrodinium</i> spp.	20	40		60	60			80
<i>Leptocylindrus minimus</i>						20		
<i>Mediopyxis helysia</i>							20	
<i>Melosira nummuloides</i>					20			
<i>Mesodinium rubrum</i>	200	1800	500	60	100		220	1760
<i>Navicula distans</i>	40	40			20	40		
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>				40				
Pennate diatom				120	160	40		20
<i>Pleurosigma</i> / <i>Gyrosigma</i>		20		20			20	
<i>Protoperidinium steinii</i>		20						
<i>Pseudo-nitzschia delicatissima</i> group	1140	980	300	500	420	280	340	880
<i>Rhizosolenia hebetata</i> f. <i>semispina</i>	20							
<i>Skeletonema costatum</i>	40	120	20				40	60
<i>Thalassiosira punctigera</i>					20	20		
<i>Thalassiosira</i> sp. (tiny)		20						
<i>Thalassiosira</i> spp.	40	40	60	20	20		20	60
Tintinnida	20	20		60	20		80	80
Unarmoured dinoflagellate					20			160
4-Feb-04								
Annoured dinoflagellate		20		20				
<i>Asterionellopsis glacialis</i>					20			
Centric diatom				20	40			
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>			20					
<i>Chaetoceros danicus</i>	40							20
<i>Chaetoceros simplex</i>	20						20	
<i>Chaetoceros</i> spp. (Hyalochaete)	120	40	20	40				20
<i>Commation cryoporinum</i>								20
<i>Corethron hystrix</i>	60			20	40		80	60
<i>Coscinodiscus</i> spp.	40	20	40					20
<i>Cylindrotheca closterium</i>	220	20	180	400	220	480	340	160
<i>Dictyocha speculum</i>						40	20	20
<i>Ditylum brightwellii</i>	120	60	20	20	60	80	20	20
<i>Eutreptiella</i> sp.		20				80		20
<i>Guinardia delicatula</i>		20	20					20
<i>Gyrodinium</i> spp.								20
<i>Laboea</i> sp.								20
<i>Leptocylindrus minimus</i>			20			80		
<i>Mediopyxis helysia</i>			40					
<i>Melosira moniliformis</i>								20
<i>Mesodinium rubrum</i>	300	40	20	20	20	40	300	220
<i>Navicula distans</i>		60	20		40			
<i>Notholca</i> spp.		20						
Pennate diatom	40		20	120	200	480		40
<i>Pleurosigma</i> / <i>Gyrosigma</i>	20							
<i>Pleurosigma strigosum</i>					20			40

4-Feb-04 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Prorocentrum micans</i>			20					
<i>Protoperidinium</i> spp.	20							
<i>Pseudo-nitzschia delicatissima</i> group	1440	700	300	720	180	1080	340	840
<i>Skeletonema costatum</i>	140	40	60		40		140	40
<i>Tabellaria</i> spp.							20	
<i>Thalassionema nitzschioides</i>		20				40		
<i>Thalassiosira nordenskiöldii</i>		20						
<i>Thalassiosira punctigera</i>			20					
<i>Thalassiosira</i> sp. (tiny)	20			20				40
<i>Thalassiosira</i> spp.	100	20	20	80	20	40	20	40
Tintinnida	80	40		20			20	20
Unarmoured dinoflagellate						40		40
2-Mar-04								
<i>Amphidinium sphenoides</i>								20
Armoured dinoflagellate	20	20	20	40	20		20	
<i>Asterionellopsis glacialis</i>		60		20				20
<i>Chaetoceros debilis</i>		20						
<i>Chaetoceros simplex</i>	160	40	20					140
<i>Chaetoceros socialis</i>								40
<i>Chaetoceros</i> spp. (Hyalochaete)	320	100		40			280	300
<i>Commation cryoporinum</i>	20				20		40	20
<i>Corethron hystrix</i>	20	100		40	20		20	
<i>Coscinodiscus</i> spp.	20			20				
<i>Cylindrotheca closterium</i>	640	180	400	980	780		120	40
<i>Cylindrotheca gracilis</i>					20			
<i>Dactyliosolen fragilissimus</i>	20				40			
<i>Dictyocha speculum</i>	60	20		20	20		60	120
<i>Ditylum brightwellii</i>	100	20	60	60	40		60	40
<i>Eutreptiella</i> sp.	40							
<i>Gyrodinium</i> spp.	40			40			60	40
<i>Laboea</i> sp.			20					
<i>Leptocylindrus minimus</i>			20					20
<i>Licmophora</i> spp.	20	20					60	
<i>Melosira moniliformis</i>	20							
<i>Membraneis challengerii</i>				60				
<i>Mesodinium rubrum</i>	480	260	80	40			620	340
<i>Navicula distans</i>	60	20	40	20	60		20	
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>				40				
<i>Odontella aurita</i>							40	
<i>Paralia sulcata</i>					40			
Pennate diatom	340	240	200	520	580		80	20
<i>Phaeocystis pouchetii</i>								40
<i>Pleurosigma</i> / <i>Gyrosigma</i>				20				
<i>Pleurosigma angulatum</i>		20			20			
<i>Porosira glacialis</i>	60							20
<i>Proboscia alata</i>								20
<i>Protoperidinium</i> spp.							20	
<i>Protoperidinium steinii</i>	20							
<i>Pseudo-nitzschia delicatissima</i> group	2320	1680	1580	3100	2360		580	1260
<i>Rhizosolenia hebetata</i> f. <i>semispina</i>			20					
<i>Rhizosolenia setigera</i>								20
<i>Skeletonema costatum</i>	300	180	120	100	160		60	260
<i>Thalassiosira bioculata</i> var. <i>exigua</i>	20							

2-Mar-04 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Thalassiosira gravida</i>		20						
<i>Thalassiosira nordenskiöldii</i>		20					20	40
<i>Thalassiosira punctigera</i>		20		20				
<i>Thalassiosira</i> sp. (tiny)	460	60					140	60
<i>Thalassiosira</i> spp.	260	120	20	100	60		160	80
Tintinnida	140		20		20		200	40
Unarmoured dinoflagellate	20						60	
21-Apr-04								
Armoured dinoflagellate	80	160		288		40	80	
Centric diatom		400	228					
<i>Chaetoceros atlanticus</i>						40		
<i>Chaetoceros contortus</i>	80		304		144			
<i>Chaetoceros convolutus</i>			76					
<i>Chaetoceros debilis</i>			152	288		80		432
<i>Chaetoceros decipiens</i>		320				40		
<i>Chaetoceros furcellatus</i>	80							
<i>Chaetoceros radicans</i>					144	40		
<i>Chaetoceros similis</i>					144			
<i>Chaetoceros simplex</i>	160	80			144			
<i>Chaetoceros socialis</i>	2880	4320		1872	2592	400	3680	
<i>Chaetoceros</i> spp. (Hyalochaete)	7920	4480	3724	13248	14256	3600	17920	18720
<i>Chaetoceros teres</i>	80							
<i>Commation cryoporinum</i>						40		144
<i>Coscinodiscus concinnus</i>						40		
<i>Cylindrotheca closterium</i>	80					280	240	
<i>Dactyliosolen fragilissimus</i>		160						
<i>Dictyocha speculum</i>		80		144		40		
<i>Dinobryon</i> spp.			76				160	
<i>Dinophysis acuminata</i>			76					
<i>Ditylum brightwellii</i>						280		
<i>Eutreptiella</i> sp.	80					40		
<i>Grammatophora marina</i>		160						
<i>Guinardia delicatula</i>					144			
<i>Gyrodinium</i> spp.	240			432	144	240	240	
<i>Laboea</i> sp.				144	288			
<i>Leptocylindrus minimus</i>			76					
<i>Melosira moniliformis</i>	240	80			144	40		
<i>Membraneis challengerii</i>						40		
<i>Mesodinium rubrum</i>	560	80		288		120		
<i>Navicula distans</i>	320					40	80	
<i>Odontella aurita</i>		80				40		
<i>Paralia sulcata</i>						40		
Pennate diatom	480	160			864	280	80	
<i>Phaeocystis pouchetii</i>	640	560	1292	432	720	400	800	1440
<i>Porosira glacialis</i>	240	720	228		432	40		
<i>Prorocentrum</i> sp. (small)				144				
<i>Protoperidinium bipes</i>			76					
<i>Protoperidinium</i> spp.	80						80	
<i>Pseudo-nitzschia delicatissima</i> group	3840	3920	2432	2448	2304	600	1360	4896
<i>Rhabdonema</i> spp.	80					80		
<i>Rhizosolenia setigera</i>				144		40		
<i>Skeletonema costatum</i>	320	160		288	144	120	240	144
<i>Thalassionema nitzschioides</i>					144	40		

21-Apr-04 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Thalassiosira anguste-lineata</i>						80	80	
<i>Thalassiosira gravida</i>						200		
<i>Thalassiosira nordenskiöldii</i>	48800	19680	6156	14256	89280	6680	59360	29376
<i>Thalassiosira punctigera</i>	80			144		240	80	
<i>Thalassiosira</i> sp. (tiny)							80	
<i>Thalassiosira</i> spp.	26400	26320	836	58176	52416	24360	20160	1296
Tintinnida	80	1040	76	144			240	144
Unarmoured dinoflagellate	160				432	40	320	
4-May-04								
<i>Alexandrium fundyense</i>	160	400		289				144
<i>Alexandrium fundyense</i> (duplet)		80						
<i>Alexandrium ostenfeldii</i>		80						
<i>Amphidinium carterae</i>		80		289				
<i>Amphidinium spheonoides</i>				289	144			
Armoured dinoflagellate		320	144		432	40	210	144
<i>Attheya septentrionalis</i>					288			
<i>Aulacoseira ambigua</i>	320					80	1050	144
Centric diatom		80						
<i>Chaetoceros atlanticus</i>	80							
<i>Chaetoceros contortus</i>	80					40		
<i>Chaetoceros debilis</i>	480	160	720	1445	288	40	70	288
<i>Chaetoceros decipiens</i>	80			578		40		
<i>Chaetoceros filiformis</i>				289				
<i>Chaetoceros furcellatus</i>	4800	18080	6480	1156	576	320		
<i>Chaetoceros socialis</i>	4240	2960	3024	8959	3456	1480	70	432
<i>Chaetoceros</i> spp. (Hyalochaete)	720	640	576	26010	11952	4720	9800	20448
<i>Chaetoceros teres</i>							70	
<i>Cylindrotheca closterium</i>	160	80				320	70	144
<i>Dactyliosolen fragilissimus</i>								144
<i>Dictyocha speculum</i>		80	144					
<i>Ditylum brightwellii</i>						40		
<i>Eutreptiella</i> sp.								144
<i>Guinardia delicatula</i>			144					
<i>Gyrodinium</i> spp.	160	80	288	867	288	200	280	1296
<i>Heterocapsa triquetra</i>	80							
<i>Laboea</i> sp.								144
<i>Leptocylindrus minimus</i>	80							
<i>Licmophora</i> spp.	80						70	
<i>Mediopyxis helysia</i>						120		144
<i>Melosira monoliformis</i>							70	
<i>Mesodinium rubrum</i>	2160	2720	1152	2023		40	1890	3168
<i>Navicula distans</i>	160					280		
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>							70	432
<i>Odontella aurita</i>		80						
<i>Paralia sulcata</i>						40		
Pennate diatom	400	160		289		120		
<i>Phaeocystis pouchetii</i>	1600	1840	2592	4046	1728	240	3290	720
<i>Pleurosigma angulatum</i>		80						
<i>Porosira glacialis</i>	320		432	578	576			
<i>Protoperidinium bipes</i>								144
<i>Protoperidinium</i> spp.	80	160		578	144			
<i>Pseudo-nitzschia delicatissima</i> group	5040	6400	5184	7514	3744	1080	2800	6624
<i>Rhizosolenia hebetata</i> f. <i>semispina</i>	80							

4-May-04 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Rhizosolenia setigera</i>							140	
<i>Skeletonema costatum</i>	160	80	576	289	288	200		
<i>Thalassionema nitzschioides</i>		80				40		
<i>Thalassiosira anguste-lineata</i>	80			289	144			
<i>Thalassiosira nordenskioeldii</i>	13680	22720	15984	173978	33408	13840	9520	21744
<i>Thalassiosira</i> sp. (tiny)			144					
<i>Thalassiosira</i> spp.	1520	640	1440	179758	68832	13680	420	1008
Tintinnida	160	2880	144	867	144	40	770	144
Unarmoured dinoflagellate	880						630	288
11-May-04								
<i>Alexandrium fundyense</i>	240	120	80					40
<i>Amphidinium sphenoides</i>	120	40						40
Armoured dinoflagellate	160		40	432	240	160		80
Centric diatom				144				
<i>Chaetoceros constrictus</i>		40						
<i>Chaetoceros contortus</i>		80						
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	40			144				
<i>Chaetoceros debilis</i>	400	520	280	720	160	400	120	80
<i>Chaetoceros decipiens</i>	40		40	144				
<i>Chaetoceros filiformis</i>				144				
<i>Chaetoceros furcellatus</i>	5640	2960	3600	9072	13360	32960	2120	9800
<i>Chaetoceros radicans</i>						80		
<i>Chaetoceros simplex</i>				144				
<i>Chaetoceros socialis</i>	2880	3240	2560		320		40	
<i>Chaetoceros</i> spp. (Hyalochaete)	320	80	40	16560	5600	4560	1080	
Copepoda							40	
<i>Coscinodiscus</i> spp.				144				
<i>Cylindrotheca closterium</i>	200	120	40	144	240	80	40	40
<i>Dactyliosolen fragilissimus</i>	40		40					
<i>Dictyocha speculum</i>	40							
<i>Dinobryon</i> spp.							40	
<i>Ditylum brightwellii</i>					80			
<i>Eutreptiella</i> sp.					80			
<i>Grammatophora marina</i>		40						
<i>Gyrodinium</i> spp.	720	440	320	720	160	480	560	40
<i>Leptocylindrus minimus</i>	40	40	40					
<i>Licmophora</i> spp.	40				80			
<i>Mesodinium rubrum</i>	1640	120	760	144			2480	440
<i>Navicula distans</i>	40		40		80	160		
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>								40
<i>Paralia sulcata</i>					80	240		
Pennate diatom	80	40			160	480		
<i>Phaeocystis pouchetii</i>	4520	240	3120	4176	2320	1040	4400	160
<i>Porosira glacialis</i>		40	120				80	
<i>Protoperidinium bipes</i>	40							
<i>Protoperidinium ovatum</i>			40					
<i>Protoperidinium</i> spp.	80		80		80			120
<i>Pseudo-nitzschia delicatissima</i> group	3200	3640	2080	4464	4000	2320	2080	1000
<i>Rhizosolenia hebetata</i> f. <i>semispina</i>			40					
<i>Skeletonema costatum</i>		40		144	160	240		
<i>Thalassionema nitzschioides</i>	40		40	432	80	80		
<i>Thalassiosira anguste-lineata</i>		40	80		80	240		40
<i>Thalassiosira gravida</i>								40

11-May-04 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Thalassiosira nordenskiöldii</i>	10000	3360	3560	31104	2240	4080	240	1520
<i>Thalassiosira punctigera</i>							40	
<i>Thalassiosira</i> spp.	1080	840	240	32544	27360	11280	120	240
Tintinnida	440		160	144	80		160	80
<i>Tintinnopsis beroidea</i>						160		
Unarmoured dinoflagellate	120	40	120	144	320	80	240	160
18-May-04								
<i>Alexandrium fundyense</i>	320	1330	240					120
<i>Alexandrium fundyense</i> (duplet)	80	70						
<i>Amphidinium carterae</i>	80	70	80					80
<i>Amphidinium spheonoides</i>			160				40	160
Armoured dinoflagellate	400	840	480				40	200
<i>Brachionus</i> spp.	80	210						
Centric diatom			880					
<i>Chaetoceros constrictus</i>							40	
<i>Chaetoceros contortus</i>	80	350	80					
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	240	210						
<i>Chaetoceros debilis</i>	880	2660	880				40	160
<i>Chaetoceros decipiens</i>			80					
<i>Chaetoceros didymus</i>			80					
<i>Chaetoceros furcellatus</i>	1760	5040	4080				1400	2240
<i>Chaetoceros laciniosus</i>	80	210						
<i>Chaetoceros pseudocrinitus</i>	240							
<i>Chaetoceros radicans</i>			400					
<i>Chaetoceros similis</i>		280						
<i>Chaetoceros socialis</i>	1600	2380	1520				1360	1120
<i>Chaetoceros</i> spp. (Hyalochaete)	2720	2100	480				560	1200
<i>Chaetoceros teres</i>							40	
<i>Coscinodiscus</i> spp.								40
<i>Cylindrotheca closterium</i>	320	700	240				120	
<i>Dictyocha speculum</i>	80	70						
<i>Dinophysis fortii</i>		140						
<i>Dinophysis norvegica</i>	160							
<i>Eutreptiella</i> sp.		70						40
<i>Favella</i> spp.		70						
<i>Gyrodinium</i> spp.	880	1190	560				360	520
<i>Heterocapsa triquetra</i>	80	70						
<i>Laboea</i> sp.	1680	910	320					320
<i>Leptocylindrus minimus</i>		280	80				80	120
<i>Mesodinium rubrum</i>	12080	15625	15360				40	4360
<i>Navicula distans</i>	80							
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>			240					
<i>Odontella aurita</i>							40	
<i>Paralia sulcata</i>								40
<i>Phaeocystis pouchetii</i>	5920	280	4000				6040	1680
<i>Protoperidinium</i> spp.	80	70	160					
<i>Protoperidinium steinii</i>		70						
<i>Pseudo-nitzschia delicatissima</i> group	8400	6860	6560				1720	1440
<i>Ptychocylis</i> spp.	80	280						40
<i>Skeletonema costatum</i>	80							
<i>Thalassiosira gravida</i>			80					
<i>Thalassiosira nordenskiöldii</i>	4480	2800	2080				320	1800
<i>Thalassiosira</i> spp.	800	140	80					240

18-May-04 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Tintinnida	2400	980	1280				280	1160
Unarmoured dinoflagellate	720	350	80				80	200
25-May-04								
<i>Alexandrium fundyense</i>	160	640	160	160	240		80	320
<i>Alexandrium fundyense</i> (duplet)		120			80			
<i>Alexandrium ostenfeldii</i>				80			20	40
<i>Amphidinium carterae</i>	40	160	60		160		20	120
<i>Amphidinium sphenoides</i>	80				160	40	100	320
<i>Amylax triacantha</i>							20	
<i>Apedinella radians</i>					160			
Armoured dinoflagellate	240	320		560	240		60	320
<i>Aulacoseira ambigua</i>			20					
<i>Brachionus</i> spp.				80			20	
Centric diatom			40					80
<i>Ceratium horridum</i>			20	320				
<i>Ceratium longipes</i>		40	80					
<i>Chaetoceros atlanticus</i>	40							
<i>Chaetoceros contortus</i>	320	160			320	360		
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	240	40	140					
<i>Chaetoceros debilis</i>	3480	1800	180	160	1920	480		
<i>Chaetoceros decipiens</i>	40	40					20	
<i>Chaetoceros diadema</i>	800	40			720	1640	20	
<i>Chaetoceros didymus</i>	40							
<i>Chaetoceros furcellatus</i>	2640	1040		800	8400	7640	460	3120
<i>Chaetoceros laciniosus</i>	200	40			160			
<i>Chaetoceros pseudobrevis</i>								40
<i>Chaetoceros pseudocrinitus</i>	80						20	
<i>Chaetoceros radicans</i>		80			1120	160		
<i>Chaetoceros simplex</i>				80			20	
<i>Chaetoceros socialis</i>	800	40	80		240	320		40
<i>Chaetoceros</i> spp. (Hyalochaete)	2600	240	20	1200	36320	6240	680	1760
Copepoda							40	40
<i>Cylindrotheca closterium</i>	640	440	380	880	1040	640	80	120
<i>Dictyocha speculum</i>		40			80			
<i>Dinophysis acuminata</i>			20					
<i>Dinophysis norvegica</i>	40	80	160					40
<i>Eutreptiella</i> sp.	40	200	420	400	80			40
<i>Fragilaria</i> spp.							20	
<i>Gyrodinium</i> spp.	520	760	400	880	480	280	240	360
<i>Laboea</i> sp.	800	400	400	880	160		40	240
<i>Leptocylindrus minimus</i>							20	40
<i>Licmophora</i> spp.							20	
<i>Melosira moniliformis</i>								40
<i>Melosira</i> spp.							40	
<i>Mesodinium rubrum</i>	4640	11440	3880	3920	1920	160	6640	14840
<i>Navicula distans</i>	80		20		80		80	40
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>	40							
<i>Odontella aurita</i>		40					80	
Pennate diatom			20	400		200		40
<i>Phaeocystis pouchetii</i>	1280	2600			1120	200	1080	160
<i>Porosira glacialis</i>								40
<i>Prorocentrum</i> sp. (small)		40						
<i>Protopteridinium brevipes</i>		80		80				

25-May-04 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Protoperidinium depressum</i>	40							80
<i>Protoperidinium</i> spp.	80	40		80	320		20	
<i>Protoperidinium steinii</i>		80						40
<i>Pseudo-nitzschia delicatissima</i> group	4360	1240	1940	800	3120	600	360	1680
<i>Ptychocyclus</i> spp.			20					40
<i>Rhabdonema</i> spp.							20	
<i>Skeletonema costatum</i>	40		100					
<i>Thalassiosira nordenskiöldii</i>	1960	920	20	80	5440	400	80	400
<i>Thalassiosira punctigera</i>					160			
<i>Thalassiosira</i> spp.	800	80		640	8560	1400	20	200
Tintinnida	1560	3320	900	400	80	40	520	840
<i>Tintinnopsis</i> spp.				80		80		
Unarmoured dinoflagellate	280	560	340	880	80	40	120	680
1-Jun-04								
<i>Achnanthes</i> sp.	20							
<i>Alexandrium fundyense</i>	100	80	100	80	20		80	520
<i>Alexandrium ostenfeldii</i>								60
<i>Amphidinium carterae</i>			60					20
<i>Amphidinium spheonoides</i>		40		20			60	
<i>Amylax triacantha</i>							20	60
<i>Apedinella radians</i>								20
Armoured dinoflagellate	20	20	80	40	20	20		180
<i>Brachionus</i> spp.								20
Centric diatom					20			
<i>Ceratium horridum</i>		20		20				
<i>Ceratium lineatum</i>								20
<i>Ceratium longipes</i>	20			20				20
<i>Chaetoceros contortus</i>			20					
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	40	100	20	40				80
<i>Chaetoceros debilis</i>	100	320	40	140				20
<i>Chaetoceros decipiens</i>								20
<i>Chaetoceros diadema</i>		20						
<i>Chaetoceros furcellatus</i>	20	60	100	180	220	580	180	200
<i>Chaetoceros laciniosus</i>				20				
<i>Chaetoceros pseudocrinatus</i>		20						
<i>Chaetoceros simplex</i>			60	40				20
<i>Chaetoceros socialis</i>	20	20						
<i>Chaetoceros</i> spp. (Hyalochaete)	280	140		60				
<i>Chaetoceros teres</i>							40	
<i>Chrysoschromulina parkeae</i>								100
<i>Commation cryoporinum</i>							20	
Copepoda	20			20	20			20
<i>Cylindrotheca closterium</i>	140	220	60	180	260	200	100	480
<i>Dinophysis acuta</i>	20			20				
<i>Dinophysis norvegica</i>	100	20	20					20
<i>Dinophysis</i> spp.				20				
<i>Ditylum brightwellii</i>	20							
<i>Eutreptiella</i> sp.	140	120	40	140				220
<i>Gyrodinium</i> spp.	260	160	120	240	100	80	400	380
<i>Laboea</i> sp.	200	40	120	200			20	60
<i>Leptocylindrus minimus</i>		40	20	40	20		20	20
<i>Licmophora</i> spp.		20						
<i>Melosira</i> spp.						20		

1-Jun-04 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Mesodinium rubrum</i>	1240	620	700	400	80	20	6200	2080
<i>Navicula distans</i>	40			60			20	
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>							20	20
<i>Odontella aurita</i>			20					
<i>Paralia sulcata</i>						20	20	
Pennate diatom					20			
<i>Protoperidinium depressum</i>					20			20
<i>Protoperidinium</i> spp.								20
<i>Pseudo-nitzschia delicatissima</i> group	640	1240	560	600	640	140	540	780
<i>Rhabdonema</i> spp.			20					
<i>Skeletonema costatum</i>		20						
<i>Tabellaria</i> spp.								20
<i>Thalassiosira nordenskiöldii</i>	20							
<i>Thalassiosira</i> spp.	20		20					
Tintinnida	340	340	60	140			200	560
Unarmoured dinoflagellate	100	80	80	180	80		220	400
9-Jun-04								
<i>Alexandrium fundyense</i>	180	60	140			40	40	920
<i>Alexandrium fundyense</i> (duplet)	20							40
<i>Amphidinium carterae</i>	20	20		60			20	40
<i>Amphidinium sphenoides</i>			20	20	20			20
<i>Amylax triacantha</i>			40					20
<i>Apedinella radians</i>		20	40				20	60
Armoured dinoflagellate		60	200	60			80	80
<i>Brachionus</i> spp.			20					
Centric diatom		40			40			
<i>Ceratium horridum</i>			40					
<i>Ceratium longipes</i>				20				20
<i>Ceratium</i> spp.			20					
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	80	40	220	40			300	240
<i>Chaetoceros debilis</i>	20			100			20	40
<i>Chaetoceros decipiens</i>			20	20			40	
<i>Chaetoceros furcellatus</i>				20	60	640		20
<i>Chaetoceros similis</i>								40
<i>Chaetoceros simplex</i>	20		80	200	60	80	280	1820
<i>Chaetoceros socialis</i>			60				20	
<i>Chaetoceros</i> spp. (Hyalochaete)	60			80	80	480		20
<i>Commation cryoporinum</i>					100	40	20	
Copepoda				40				
<i>Cylindrotheca closterium</i>	300	280	1160	1200	1360	200	940	1480
<i>Dictyocha speculum</i>			20					40
<i>Dinophysis acuminata</i>		20						
<i>Dinophysis acuta</i>		20						
<i>Dinophysis norvegica</i>		60			20		40	
<i>Dinophysis</i> spp.			20					
<i>Eutreptiella</i> sp.		40	200	40			80	100
<i>Fragilaria</i> spp.							20	
<i>Grammatophora marina</i>			20				20	
<i>Gyrodinium</i> spp.	100	300	520	200	40	80	200	80
<i>Gyrosigma fasciola</i>							20	
<i>Laboea</i> sp.	60		20	240	20		60	20
<i>Leptocylindrus danicus</i>		20						
<i>Leptocylindrus minimus</i>	60							40

9-Jun-04 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Licmophora</i> spp.	20	40				40	20	20
<i>Mediopyxis helysia</i>					20			
<i>Mesodinium rubrum</i>	300	560	1220	520	20		1980	1120
<i>Navicula distans</i>	60				20	120	20	
<i>Navicula transiens</i> var. <i>derasa</i> f. <i>delicatula</i>				20	280			
<i>Odontella aurita</i>							20	
<i>Paralia sulcata</i>				40	20	40		
Pennate diatom	60	40	20			120	120	140
<i>Pleurosigma angulatum</i>							40	
<i>Prorocentrum minimum</i>			20					
<i>Protoperidinium brevipes</i>		20	40					
<i>Protoperidinium depressum</i>		20						20
<i>Protoperidinium ovatum</i>			20				20	
<i>Protoperidinium</i> spp.		20		20	20			
<i>Pseudo-nitzschia delicatissima</i> group	1480	1380	3060	4760	1420	920	1200	1260
<i>Rhizosolenia hebetata</i> f. <i>semispina</i>							40	
<i>Skeletonema costatum</i>	40							
<i>Thalassiosira</i> spp.			60		60	80		20
Tintinnida	80	760	320	80		40	60	60
<i>Tintinnopsis</i> spp.					80			
Unarmoured dinoflagellate	220	180	440	40	40		180	140
15-Jun-04								
<i>Alexandrium fundyense</i>	260	720	480	80	40			665
<i>Alexandrium fundyense</i> (duplet)	20	144						105
<i>Amphidinium carterae</i>		144		40			40	289
<i>Amphidinium sphenoides</i>			160	240	40	60	80	867
<i>Amylax triacantha</i>	40	144	320					2023
<i>Apedinella radians</i>		11952	4960	880	160		800	17918
Armoured dinoflagellate	60	720	320	160	40	40	240	578
<i>Asterionellopsis glacialis</i>	20							
<i>Aulacoseira ambigua</i>					40			
<i>Brachionus</i> spp.			160					
Centric diatom						20		
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	260	1440	1760	960	200	20	1360	3179
<i>Chaetoceros debilis</i>	80	432	320	440	40		160	1734
<i>Chaetoceros decipiens</i>	20			80		80	120	289
<i>Chaetoceros filiformis</i>	640			1280	680	300	7600	
<i>Chaetoceros furcellatus</i>	40			40		60	80	
<i>Chaetoceros similis</i>	300	720	1760	1520	560	160	3040	43061
<i>Chaetoceros simplex</i>	100	1008	160	840	1000	260	4280	5202
<i>Chaetoceros socialis</i>	180	144	320		40		40	
<i>Chaetoceros</i> spp. (Hyalochaete)	140	2016	1920	480	120	40	160	43061
<i>Chaetoceros teres</i>								289
<i>Chrysochromulina parkeae</i>		144						
<i>Commation cryoporinum</i>	20			80		60		
<i>Cylindrotheca closterium</i>	1480	4176	9760	10240	2960	1120	8720	23987
<i>Dictyocha speculum</i>	80	1008	640	80			80	
<i>Dinobryon</i> spp.							80	
<i>Dinophysis norvegica</i>			320	120			40	289
<i>Ditylum brightwellii</i>					40			
<i>Eutreptiella</i> sp.	120	3168	4960	280			280	14739
<i>Guinardia delicatula</i>				40	40			289
<i>Gyrodinium</i> spp.	180	288	1760	920	40		240	2601

15-Jun-04 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Gyrosigma tenuissimum</i>					40			
<i>Heterocapsa triquetra</i>		432						
<i>Laboea</i> sp.	200		960	240			120	
<i>Leptocylindrus danicus</i>					40		40	867
<i>Leptocylindrus minimus</i>		576	640	320	40		320	578
<i>Licmophora</i> spp.	40							
<i>Mediopyxis helysia</i>					40			
<i>Mesodinium rubrum</i>	1940	7488	4480	600	80		2880	2601
<i>Navicula distans</i>					40		80	
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>				520				
<i>Paralia sulcata</i>						20		
Pennate diatom		1008	480	280	680	240	640	2890
<i>Porosira glacialis</i>						20		
<i>Prorocentrum minimum</i>				80				
<i>Prorocentrum</i> sp. (small)			320					
<i>Protoperidinium bipes</i>				120			40	
<i>Protoperidinium brevipes</i>				40				
<i>Protoperidinium depressum</i>	20							
<i>Protoperidinium</i> spp.			160					
<i>Protoperidinium steinii</i>	20			80				
<i>Pseudo-nitzschia delicatissima</i> group	6200	14256	28800	34240	6160	1880	11040	71094
<i>Rhizosolenia hebetata</i> f. <i>semispina</i>								578
<i>Skeletonema costatum</i>	180	432		160	80	20	160	
<i>Thalassionema nitzschioides</i>				40		40		
<i>Thalassiosira anguste-lineata</i>								289
<i>Thalassiosira</i> sp. (tiny)							40	289
<i>Thalassiosira</i> spp.	40	144		360	40	40	80	
Tintinnida	700	8640	2720	440		60	4120	11271
<i>Tintinnopsis</i> spp.					80	120		
Unarmoured dinoflagellate	140	1728	2080	440		20	120	2023
22-Jun-04								
<i>Alexandrium fundyense</i>	600	280	1600	144			193	8775
<i>Alexandrium fundyense</i> (duplet)	120		80					750
<i>Alexandrium fundyense</i> (quadruplet)								150
<i>Amphidinium carterae</i>	80							
<i>Amphidinium sphenoides</i>	40	240	320	144				300
<i>Amylax triacantha</i>	440	80	2440	144			965	525
<i>Apedinella radians</i>	4920	4640	5040	31680	2304	40	772	600
Armoured dinoflagellate	160	40	280	576	288	80		1575
Centric diatom				432		40		
<i>Ceratium lineatum</i>			40					
<i>Chaetoceros convolutus</i> / <i>concoavicornis</i>							193	
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	1480	920	1640	720		40	3667	750
<i>Chaetoceros debilis</i>	560	840	1440	1728	1008	40	579	1500
<i>Chaetoceros decipiens</i>		240	240		576		386	2175
<i>Chaetoceros filiformis</i>	360				2880	40	3667	
<i>Chaetoceros furcellatus</i>						40		
<i>Chaetoceros laciniosus</i>								150
<i>Chaetoceros similis</i>	240	40	240	144	2016	120	22002	
<i>Chaetoceros simplex</i>	80	80	40		144	160	24897	75
<i>Chaetoceros socialis</i>			40	576	144			
<i>Chaetoceros</i> spp. (Hyalochaete)	40	80	360	2016	1152	40	579	225

22-Jun-04 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Chaetoceros teres</i>							579	
<i>Commatia cryoporinum</i>			80			160		
Copepoda		40						
<i>Corethron hystrix</i>	40							
<i>Cylindrotheca closterium</i>	1360	1520	3960	7920	12960	2080	53268	1425
<i>Dictyocha speculum</i>	1120	880	1080	864	432			300
<i>Dinobryon</i> spp.				288				
<i>Dinophysis acuta</i>								75
<i>Dinophysis norvegica</i>			120	288				300
<i>Ditylum brightwellii</i>	40							
<i>Eucampia</i> spp.							193	
<i>Eutreptiella</i> sp.	3200	1280	3200	1584	144			75
<i>Fragilaria</i> spp.		40						
<i>Grammatophora marina</i>		40						
<i>Guinardia delicatula</i>								75
<i>Gyrodinium</i> spp.	1160	1040	2240	2448	432		193	10950
<i>Helicostomella</i> spp.								75
<i>Heterocapsa triquetra</i>	160	80	120					
<i>Laboea</i> sp.	520		40	288		40	193	
<i>Leptocylindrus danicus</i>	40			576	720		772	2475
<i>Leptocylindrus minimus</i>	200	120	320	1152	432		1544	1725
<i>Mesodinium rubrum</i>	1000	280	1160	864	432		1737	4275
<i>Navicula distans</i>			40	144				
Pennate diatom		280	560	720	576	280	193	375
<i>Porosira glacialis</i>			40					75
<i>Prorocentrum minimum</i>	40	160		576				525
<i>Prorocentrum</i> sp. (small)								375
<i>Protoperidinium bipes</i>				1872	432			
<i>Protoperidinium denticulatum</i>			80					
<i>Protoperidinium depressum</i>	40							
<i>Protoperidinium ovatum</i>			40					
<i>Protoperidinium punctulatum</i>						40		
<i>Protoperidinium</i> spp.			200	144				1425
<i>Protoperidinium steinii</i>								75
<i>Pseudo-nitzschia delicatissima</i> group	6520	24240	31280	104832	55152	3720	92640	312120
<i>Ptychocylis</i> spp.	120		40					
<i>Rhizosolenia hebetata</i> f. <i>semispina</i>							193	150
<i>Scrippsiella trochoidea</i>								150
<i>Skeletonema costatum</i>	40		160				193	
<i>Thalassionema nitzschioides</i>								75
<i>Thalassiosira gravida</i>			120					
<i>Thalassiosira nordenskiöldii</i>			40					
<i>Thalassiosira</i> spp.	120	520	760	2016	144	80	579	375
Tintinnida	2200	1360	920	2016	288	120	3860	1350
<i>Tintinnopsis</i> spp.					144	80		
Unarmoured dinoflagellate	1720	960	1880	1152			579	3300
29-Jun-04								
<i>Alexandrium fundyense</i>	4320	3024	800		40	40	880	20560
<i>Alexandrium fundyense</i> (duplet)	80	288					80	880
<i>Alexandrium fundyense</i> (triplet)		144						160
<i>Amphidinium carterae</i>	80			320				
<i>Amphidinium sphenoides</i>	240	144		320			320	480
<i>Amylax triacantha</i>	80	144	80				400	400

29-Jun-04 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Apedinella radians</i>	240	16992	960	1280	80			80
Armoured dinoflagellate	480	1008	160	960		40	720	2640
<i>Aulacoseira ambigua</i>						40		
<i>Brachionus</i> spp.	80	144						400
Centric diatom				160		40		
<i>Cerataulina pelagica</i>							240	80
<i>Ceratium</i> spp.								160
<i>Chaetoceros atlanticus</i>	80							
<i>Chaetoceros contortus</i>	80		80					
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	480	1152	1200				640	80
<i>Chaetoceros debilis</i>	1440	3888	800	2400	720	280	3040	6400
<i>Chaetoceros decipiens</i>			160	320	80	80	1120	2720
<i>Chaetoceros filiformis</i>	80		480				1360	
<i>Chaetoceros furcellatus</i>					160	120		
<i>Chaetoceros laciniosus</i>			80	160				160
<i>Chaetoceros similis</i>			320		40		3120	
<i>Chaetoceros socialis</i>	160	144					160	240
<i>Chaetoceros</i> spp. (Hyalochaete)	400	1008	560	4000	560	360	640	1120
<i>Chaetoceros teres</i>								80
<i>Comnatum cryoporinum</i>					240	120		
Copepoda							80	
<i>Coscinodiscus</i> spp.	80	144						
<i>Cylindrotheca closterium</i>	3520	720	2240	6080	4600	2320	11040	400
<i>Dictyocha speculum</i>	800	432	2080	1920			320	560
<i>Dinobryon</i> spp.								80
<i>Dinophysis acuminata</i>		144						160
<i>Dinophysis norvegica</i>	80	144					80	320
<i>Ditylum brightwellii</i>				160	40			
<i>Eucampia zodiacus</i>			80				320	80
<i>Eutreptiella</i> sp.	800	3024	160	4640	120		240	640
<i>Favella</i> spp.								160
<i>Gonyaulax spinifera</i>								80
<i>Grammatophora marina</i>			160				160	
<i>Gyrodinium</i> spp.	800	1152	800	640		40	1040	3600
<i>Gyrosigma fasciola</i>							80	
<i>Helicostomella</i> spp.								80
<i>Heterocapsa triquetra</i>	480	3168	400					320
<i>Laboea</i> sp.	320		80	160			80	240
<i>Leptocylindrus danicus</i>	240	864	720	1120	120	40	2720	14400
<i>Leptocylindrus minimus</i>	320	720	400		40		1520	560
<i>Licmophora</i> spp.	80						320	
<i>Mediopyxis helysia</i>			80		40			
<i>Melosira</i> spp.			80					
<i>Membraneis challengeri</i>						40		
<i>Mesodinium rubrum</i>	7200	4752	1600	640	120	160	3520	1120
<i>Navicula distans</i>	80						80	
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>							240	
Pennate diatom	240		800	1120	400	760	320	160
<i>Pleurosigma angulatum</i>	80							
<i>Porosira glacialis</i>		144	160				240	240
<i>Prorocentrum minimum</i>				480				
<i>Prorocentrum</i> sp. (small)			80					
<i>Protoperidinium bipes</i>				640	80			

29-Jun-04 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Protoperidinium punctulatum</i>			80					80
<i>Protoperidinium</i> spp.	80						240	960
<i>Protoperidinium steinii</i>	80							
<i>Pseudo-nitzschia delicatissima</i> group	23360	103680	60320	100160	7560	4920	70000	219640
<i>Pseudo-nitzschia seriata</i> group							80	640
<i>Ptychocylis</i> spp.								400
<i>Rhizosolenia hebetata</i> f. <i>semispina</i>							80	80
<i>Scrippsiella</i> sp.								240
<i>Scrippsiella trochoidea</i>	80	144	240				80	960
<i>Skeletonema costatum</i>	160	1152	1600	2720	40			
<i>Thalassiosira anguste-lineata</i>		288			40		80	
<i>Thalassiosira gravida</i>		288						
<i>Thalassiosira nordenskiöldii</i>						40	240	480
<i>Thalassiosira punctigera</i>	80			160	40	40		
<i>Thalassiosira</i> sp. (tiny)				320		40		
<i>Thalassiosira</i> spp.	2720	2016	400	17440	1560	600	240	880
Tintinnida	7360	29088	240	2720	80	80	1520	2480
<i>Tintinnopsis</i> spp.					200	40		
Unarmoured dinoflagellate	800	720	320	640	80	80	640	2080
5-Jul-04								
<i>Actinopterychus senarius</i>		375						
<i>Alexandrium fundyense</i>	3312	11875	4913	9504			7040	38885
<i>Alexandrium fundyense</i> (duplet)	432	1125		720			640	2310
<i>Alexandrium fundyense</i> (triplet)			289	144			80	385
<i>Amphidinium carterae</i>			289					
<i>Amphidinium spheonoides</i>	288	500		144			320	
<i>Amylax triacantha</i>		250	289				480	385
<i>Apedinella radians</i>	144	375			432		160	
Armoured dinoflagellate	432	1000	289	576	720		480	1155
<i>Asterionellopsis glacialis</i>				144				
Centric diatom					432			
<i>Cerataulina pelagica</i>							1120	
<i>Ceratium longipes</i>		250	289					
<i>Chaetoceros contortus</i>		250	289	1008		40		
<i>Chaetoceros convolutus</i>				144				
<i>Chaetoceros convolutus</i> / <i>concauicornis</i>	144					40		385
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	720	125	578				1280	
<i>Chaetoceros debilis</i>	10224	10875	10404	29520	12960	2960	6560	1925
<i>Chaetoceros decipiens</i>	144	625	867	1440	432	80	160	
<i>Chaetoceros diadema</i>	144							
<i>Chaetoceros filiformis</i>	3312	9875		3600			3680	
<i>Chaetoceros furcellatus</i>						520		
<i>Chaetoceros laciniosus</i>			1156	288	144		160	770
<i>Chaetoceros radicans</i>	144							
<i>Chaetoceros similis</i>					144		800	
<i>Chaetoceros simplex</i>							320	
<i>Chaetoceros socialis</i>			1156			80	1280	1925
<i>Chaetoceros</i> spp. (Hyalochaete)	2448	2625	4046	7200	6480	1440	2080	2310
<i>Chaetoceros</i> spp. (Phaeoceros)						40	160	
<i>Chaetoceros teres</i>							160	
<i>Chrysoschromulina parkeae</i>							480	
<i>Commation cryoporinum</i>						80		
<i>Cylindrotheca closterium</i>	1872	1125	1156	288	1728	4840	6240	385

5-Jul-04 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Dactyliosolen fragilissimus</i>			867	144				
<i>Dictyocha speculum</i>	288	250	867	432	864	80	800	385
<i>Dinobryon</i> spp.	144						480	
<i>Dinophysis acuminata</i>	144		578	144				385
<i>Dinophysis norvegica</i>		125						
<i>Ditylum brightwellii</i>		125						
<i>Eucampia zodiacus</i>		250	867	288		40	960	385
<i>Eutreptiella</i> sp.		750		144	432	80		
<i>Gyrodinium</i> spp.	576	1375	1445		576	240	640	770
<i>Helicostomella</i> spp.			289	288				2310
<i>Heterocapsa triquetra</i>	576	2250	289	720	144		320	1925
<i>Laboea</i> sp.		125	289	1008			320	
<i>Leptocylindrus danicus</i>	6768	1750	3468	3168	2016	400	14400	39270
<i>Leptocylindrus minimus</i>	144	1250	867	1152	576	40	480	385
<i>Mediopyxis helysia</i>		125			720	40	480	
<i>Membraneis challengeri</i>					144			
<i>Mesodinium rubrum</i>	288	1750	2312	1008	720		5920	2310
<i>Navicula distans</i>							160	385
<i>Paralia sulcata</i>						80		
Pennate diatom				288	432	320	2560	
<i>Pleurosigma angulatum</i>	144					40	480	
<i>Porosira glacialis</i>	288			144			800	385
<i>Prorocentrum minimum</i>				720				
<i>Prorocentrum</i> sp. (small)		125						
<i>Protoperidinium bipes</i>					288	40		
<i>Protoperidinium brevipes</i>			289				160	
<i>Protoperidinium conicum</i>								385
<i>Protoperidinium denticulatum</i>	576							
<i>Protoperidinium depressum</i>							160	
<i>Protoperidinium</i> spp.				144			320	
<i>Protoperidinium steinii</i>		250	578					
<i>Pseudo-nitzschia americana</i>					144		320	
<i>Pseudo-nitzschia delicatissima</i> group	175104	420008	553724	354816	201600	24000	60320	68145
<i>Pseudo-nitzschia seriata</i> group	576	125	578	144	144	240	480	3080
<i>Ptychocylis</i> spp.		125						385
<i>Rhizosolenia hebetata</i> f. <i>semispina</i>				144				
<i>Scrippsiella</i> sp.	432						480	385
<i>Scrippsiella trochoidea</i>	288	250	578	720		40		2310
<i>Skeletonema costatum</i>	4320	16375	8092	8928	2304	400	320	770
<i>Thalassionema nitzschioides</i>				288				385
<i>Thalassiosira anguste-lineata</i>	576	875	867	1008	1152	80	160	
<i>Thalassiosira gravida</i>	1152	125		144			960	385
<i>Thalassiosira nordenskioeldii</i>	288	375	867	720			640	
<i>Thalassiosira</i> sp. (tiny)				144				
<i>Thalassiosira</i> spp.	11808	7000	7225	14544	10224	3320	4800	2310
<i>Tintinnida</i>	576	8000	6647	1584	144		41120	5390
<i>Tintinnopsis</i> spp.						40		
Unarmoured dinoflagellate	432	625	1445	1584	576	40	480	385
13-Jul-04								
<i>Achnanthes</i> sp.	144							
<i>Alexandrium fundyense</i>	15696	105408	9504	9440	864	144	12672	53465
<i>Alexandrium fundyense</i> (duplet)	1152	7488	144	480	288		288	1445
<i>Alexandrium fundyense</i> (fusing)		576						

13-Jul-04 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Alexandrium fundyense</i> (planozygote)	144			160			1008	4335
<i>Alexandrium fundyense</i> (triplet)	144							
<i>Amphidinium carterae</i>			144	320				
<i>Amphidinium sphenoides</i>	432	288	864	800	288		288	289
<i>Amylax triacantha</i>	288	144	576					578
<i>Apedinella radians</i>			144	800	432			289
Armoured dinoflagellate	864	1728	1152	1600	720		432	1156
<i>Asterionellopsis glacialis</i>			144	640	288	144		
<i>Attheya septentrionalis</i>							576	
<i>Brachionus</i> spp.	288	288		160			144	1156
Centric diatom						288		
<i>Cerataulina pelagica</i>	144		144		576		576	867
<i>Ceratium longipes</i>			288	160				
<i>Chaetoceros atlanticus</i>	144							
<i>Chaetoceros contortus</i>	1008	144	1296	800			432	578
<i>Chaetoceros convolutus</i> / <i>concaicornis</i>							288	
<i>Chaetoceros convolutus</i> f. <i>irisetosa</i>	720	144				144	1008	867
<i>Chaetoceros debilis</i>	4464	288	720	7360	2736	144	15120	5202
<i>Chaetoceros decipiens</i>				160				
<i>Chaetoceros filiformis</i>	6480	5904	15696	5120			1728	578
<i>Chaetoceros furcellatus</i>						432		
<i>Chaetoceros laciniosus</i>	720	432	432	800			720	
<i>Chaetoceros pseudobrevis</i>					432			
<i>Chaetoceros pseudocrinitus</i>							144	
<i>Chaetoceros radicans</i>				480				578
<i>Chaetoceros simplex</i>						144	144	
<i>Chaetoceros socialis</i>	864			160			7488	867
<i>Chaetoceros</i> spp. (Hyalochaete)	1728	864	1728	6720	4032	6048	6336	3468
<i>Chaetoceros</i> spp. (Phaeoceros)				160		144		
<i>Chaetoceros teres</i>	144						288	
<i>Chrysochromulina parkeae</i>							144	
<i>Cylindrotheca closterium</i>	3600	1584	864	4800	4176	4464	1872	1445
<i>Cylindrotheca gracilis</i>						144		
<i>Dactyliosolen fragilissimus</i>			288		144			289
<i>Dictyocha speculum</i>	1008	1008	720	640			144	
<i>Dinobryon</i> spp.	576	288	144		288		2160	5202
<i>Dinophysis acuminata</i>	144	288	144	480				
<i>Dinophysis norvegica</i>		576	144	160				
<i>Dinophysis pulchella</i>			144					
<i>Dinophysis</i> spp.								289
<i>Ditylum brightwellii</i>	288			160				
<i>Eucampia zodiacus</i>	144			320	144		1296	289
<i>Eutimimus</i> sp.								289
<i>Eutreptiella</i> sp.	432	144	864	1440		144		
<i>Favella</i> spp.	144							867
<i>Guinardia delicatula</i>		144			144			
<i>Gyrodinium</i> spp.	576	720	1152	1600		144	144	578
<i>Helicostomella</i> spp.	288			320			432	3179
<i>Heterocapsa triquetra</i>	2880	7776	864	1120	288		288	1445
<i>Laboea</i> sp.		144	144	160			144	
<i>Leptocylindrus danicus</i>	4752	432	2592	11680	4320	432	35136	60690
<i>Leptocylindrus minimus</i>	288	144	576	960	576	288	1296	578
<i>Mediopyxis helysia</i>				320	144	720		

13-Jul-04 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Membraneis challengeri</i>						144		
<i>Mesodinium rubrum</i>	8352	720	8064	640		1152	4896	9248
<i>Navicula distans</i>	144							
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>				160				
<i>Paralia sulcata</i>	144							
Pennate diatom	144	144			288	720	576	
<i>Pleurosigma angulatum</i>							144	
<i>Porosira glacialis</i>	576				288		432	
<i>Proboscia alata</i>	288							
<i>Prorocentrum minimum</i>				960				
<i>Prorocentrum</i> sp. (small)		576	1728	1120				
<i>Protoperidinium bipes</i>				320		288		
<i>Protoperidinium brevipes</i>	144	144						
<i>Protoperidinium denticulatum</i>							144	
<i>Protoperidinium</i> spp.	288	288		160				
<i>Protoperidinium steinii</i>				320				
<i>Pseudo-nitzschia delicatissima</i> group	36576	3888	13248	67040	52128	53424	137088	105196
<i>Pseudo-nitzschia seriata</i> group	864	432	144	1120	288	288	2304	4624
<i>Ptychocylis</i> spp.		144		320				289
<i>Rhizosolenia hebetata</i> f. <i>semispina</i>	576		144				144	289
<i>Scrippsiella</i> sp.	720	432	144	320			144	289
<i>Scrippsiella trochoidea</i>	288	3888	1008				144	1445
<i>Skeletonema costatum</i>	8352	4176	2736	5120	2160	3888	432	289
<i>Stephanopyxis turris</i>							432	
<i>Thalassionema nitzschioides</i>				160			144	
<i>Thalassiosira anguste-lineata</i>	432	288	432	1280	144			289
<i>Thalassiosira gravida</i>	576			480	144	144	720	289
<i>Thalassiosira nordenskiöldii</i>		144			144		864	
<i>Thalassiosira punctigera</i>						144		
<i>Thalassiosira</i> sp. (tiny)								1156
<i>Thalassiosira</i> spp.	5760	288	864	7840	5040	3600	9072	1734
Tintinnida	2736	432	3312	1600			3600	2890
<i>Tintinnopsis</i> spp.					288			
Unarmoured dinoflagellate	1440	2016	2304	2240	288			2312
19-Jul-04								
<i>Alexandrium fundyense</i>	64158	115022	16720	9280	1280		1440	15880
<i>Alexandrium fundyense</i> (duplet)	2890	2312	480	720	80			1160
<i>Alexandrium fundyense</i> (planozygote)		1734	80					80
<i>Alexandrium fundyense</i> (triplet)	578							40
<i>Amphidinium carterae</i>	40		80	80	400			
<i>Amphidinium sphenoides</i>	40				160	80		160
<i>Amylax triacantha</i>	40	40					80	
<i>Apedinella radians</i>				320				
Armoured dinoflagellate	360	520	1200	640	640	560	320	240
<i>Asterionellopsis glacialis</i>						160	80	40
<i>Aulacoseira ambigua</i>						80		
<i>Brachionus</i> spp.		120	640		80			480
<i>Cerataulina pelagica</i>						80	3200	360
<i>Ceratium horridum</i>	40							
<i>Ceratium longipes</i>	120	200	560	240	320			80
<i>Ceratium</i> spp.	40			80				
<i>Chaetoceros contortus</i>			80	400	560	80	160	120
<i>Chaetoceros convolutus</i>							240	

19-Jul-04 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>		80	320	80			1200	200
<i>Chaetoceros debilis</i>	80		720	800	1600	880	2880	600
<i>Chaetoceros decipiens</i>	80		80	160	240	160		
<i>Chaetoceros filiformis</i>	40	240		320	480		1920	760
<i>Chaetoceros laciniosus</i>	240				80		960	
<i>Chaetoceros pseudobrevis</i>				720	1760	400		200
<i>Chaetoceros radicans</i>				160				
<i>Chaetoceros similis</i>							80	
<i>Chaetoceros socialis</i>			240				7680	800
<i>Chaetoceros</i> spp. (Hyalochaete)	80	40	560	960	2880	2000	7520	440
<i>Chaetoceros</i> spp. (Phaeoceros)				80	80	80	80	40
<i>Chaetoceros teres</i>							80	
<i>Commation cryoporinum</i>						80		
Copepoda		80	160					
<i>Coscinodiscus</i> spp.			160					40
<i>Cylindrotheca closterium</i>	2560	1400	3680	4880	7680	4000	1600	1440
<i>Dactyliosolen fragillissimus</i>	80			320	400		80	80
<i>Dictyocha speculum</i>	160	240	720	400	480	80	400	160
<i>Dinobryon</i> spp.	40	40			160		2320	120
<i>Dinophysis acuminata</i>	520	720	1440	240	640	80		160
<i>Dinophysis norvegica</i>	120	120	560	160	160			80
<i>Dinophysis rotundata</i>			80					
<i>Dinophysis</i> spp.			160					40
<i>Ditylum brightwellii</i>							80	
<i>Eucampia zodiacus</i>						80	2080	40
<i>Eutimimus</i> sp.	40						80	
<i>Eutreptiella</i> sp.		160	880	800	320			80
<i>Favella</i> spp.	40	40					720	
<i>Guinardia delicatula</i>			80					
<i>Gyrodinium</i> spp.		120	1120	400	960	960	640	200
<i>Helicostomella</i> spp.	800	1720	1200	80	160		1360	200
<i>Heterocapsa triquetra</i>	1960	3120	880	1520	160		160	560
<i>Laboea</i> sp.	80	160	560	400	320			160
<i>Leptocylindrus danicus</i>	40			80	1040	1760	28480	6280
<i>Leptocylindrus minimus</i>	40	40	80	160		80	13200	880
<i>Mediopyxis helysia</i>					80	1040		
<i>Melosira moniliformis</i>			80					
<i>Membraneis challengerii</i>				80	80	80		
<i>Mesodinium rubrum</i>	4640	8360	6160	2960	480	160	3440	3280
<i>Navicula distans</i>	40	40		80		160		
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>				80				
Pennate diatom				320	320	240	80	40
<i>Pleurosigma angulatum</i>						80		40
<i>Polykrikos</i> spp.	40							
<i>Porosira glacialis</i>	40				80		80	120
<i>Prorocentrum minimum</i>				560	80	80		
<i>Prorocentrum</i> sp. (small)	40			80			80	
<i>Protoperidinium bipes</i>		40			80			
<i>Protoperidinium brevipes</i>	40		80	160	80	80		
<i>Protoperidinium conicum</i>	40						80	
<i>Protoperidinium depressum</i>		80			80			40
<i>Protoperidinium ovatum</i>	40			240			80	
<i>Protoperidinium punctulatum</i>							80	

19-Jul-04 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Protoperidinium</i> spp.		120	80		320			40
<i>Protoperidinium steinii</i>	160	40	240	80				
<i>Pseudo-nitzschia delicatissima</i> group	1160	1040	3120	3360	4400	9200	57680	17240
<i>Pseudo-nitzschia seriata</i> group						160	5680	1280
<i>Ptychocyclus</i> spp.	40			80	80	80		
<i>Rhizosolenia hebetata</i> f. <i>semispina</i>				80			80	80
<i>Salpingella</i> spp.					80			
<i>Scrippsiella</i> sp.	80	1040	560	480				320
<i>Scrippsiella trochoidea</i>	440	400		240				240
<i>Skeletonema costatum</i>	120		240	80		240	480	320
<i>Stephanopyxis turris</i>	40							
<i>Thalassionema nitzschioides</i>						160		
<i>Thalassiosira anguste-lineata</i>	200	40	80	480	160	80	80	120
<i>Thalassiosira gravida</i>							160	120
<i>Thalassiosira nordenskiöldii</i>				160			80	40
<i>Thalassiosira</i> spp.	120		160	640	240	1920	3040	680
<i>Tintinnida</i>	320	360	1440	1040	1040	560	1600	680
<i>Tintinnopsis</i> spp.						160		
Unarmoured dinoflagellate	120	400	1680	2160	2320	480	160	200
27-Jul-04								
<i>Alexandrium fundyense</i>	116178	138720	169354	2080	160	160	867	23698
<i>Alexandrium fundyense</i> (cyst)					40			
<i>Alexandrium fundyense</i> (duplet)	7514	9248	5780	120				289
<i>Alexandrium fundyense</i> (fusing)		578						
<i>Alexandrium fundyense</i> (planozygote)	3468	1156	4046		120	80		289
<i>Alexandrium fundyense</i> (quadruplet)	1734	1734						
<i>Alexandrium fundyense</i> (triplet)	1734	1156	1156	40				
<i>Amphidinium carterae</i>			289	120				
<i>Amylax triacantha</i>		144		40				
<i>Apedinella radians</i>		432		40				
Armoured dinoflagellate	289	720	578	400	120	200		1734
<i>Aulacoseira ambigua</i>			289					
<i>Brachionus</i> spp.			289					578
Centric diatom						120		
<i>Cerataulina pelagica</i>							17051	578
<i>Ceratium lineatum</i>			289	40				
<i>Ceratium longipes</i>			1156	360		40		
<i>Chaetoceros borealis</i>					40			
<i>Chaetoceros contortus</i>							289	
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>		576	578	480			867	2312
<i>Chaetoceros danicus</i>								578
<i>Chaetoceros debilis</i>				40				
<i>Chaetoceros furcellatus</i>						80		
<i>Chaetoceros laciniosus</i>							2023	578
<i>Chaetoceros pseudobrevis</i>				80		40		
<i>Chaetoceros socialis</i>							10404	578
<i>Chaetoceros</i> spp. (Hyalochacte)					40	40	3468	1156
<i>Chrysochromulina parkeae</i>							289	1156
Copepoda				40				
<i>Cylindrotheca closterium</i>	5202	3744	1445	800	4400	600	2601	578
<i>Dactyliosolen fragilissimus</i>			289		40		289	578
<i>Dictyocha speculum</i>	289	1008	2312	320	80		867	
<i>Dinobryon</i> spp.	289							

27-Jul-04 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Dinophysis acuminata</i>	1156	2160	4335	1160				
<i>Dinophysis norvegica</i>		144	1156	480	40	40		
<i>Ditylum brightwellii</i>						40		
<i>Eucampia zodiacus</i>							1445	
<i>Eutreptiella</i> sp.	578	432		600				
<i>Favella</i> spp.								2890
<i>Gonyaulax digitale</i>		144						
<i>Guinardia delicatula</i>						40		
<i>Gyrodinium</i> spp.		720	289	360	80	40	578	578
<i>Helicostomella</i> spp.	2890	2880	4046	80			867	1734
<i>Heterocapsa triquetra</i>	14161	26208	15895	160	40		289	1156
<i>Laboea</i> sp.		288		640				
<i>Lauderia annulata</i>							289	
<i>Leptocylindrus danicus</i>					80	160		578
<i>Leptocylindrus minimus</i>	2601	144	578	680	80	280	178371	196520
<i>Licmophora</i> spp.			289					
<i>Mediopyxis helysia</i>					120	80		
<i>Mesodinium rubrum</i>	9826	2304	17051	880	40		14450	65314
<i>Navicula distans</i>					40			
<i>Paralia sulcata</i>					40			
Pennate diatom			289			80		
<i>Prorocentrum minimum</i>				80				
<i>Prorocentrum</i> sp. (small)							578	
<i>Protoperidinium bipes</i>				40	40			
<i>Protoperidinium brevipes</i>	289	144	289	80				
<i>Protoperidinium depressum</i>				80				
<i>Protoperidinium ovatum</i>			289					
<i>Protoperidinium</i> spp.						40	289	
<i>Protoperidinium steinii</i>		288	289	40				
<i>Pseudo-nitzschia delicatissima</i> group	4046	5184	12716	8800	2680	1480	28900	59534
<i>Pseudo-nitzschia seriata</i> group		144					5202	2312
<i>Ptychocylis</i> spp.			289	40				
<i>Rhizosolenia hebetata</i> f. <i>semispina</i>	289		289	40			1156	
<i>Scrippsiella</i> sp.	289	1440	2023	40				
<i>Scrippsiella trochoidea</i>	1156	1296	867	80				578
<i>Skeletonema costatum</i>					40		289	
<i>Thalassionema nitzschioides</i>								1156
<i>Thalassiosira</i> spp.						40	5491	
Tintinnida	578	864	289	1160	40		867	1156
<i>Tintinnopsis</i> spp.						40		
Unarmoured dinoflagellate	1734	1872	1156	3760	200		289	1734
3-Aug-04								
<i>Alexandrium fundyense</i>	12880	28656	319056	23840	5000	240	1008	3312
<i>Alexandrium fundyense</i> (duplet)	160	1440	10404	960	160			144
<i>Alexandrium fundyense</i> (fusing)			1156					
<i>Alexandrium fundyense</i> (planozygote)	480	432	20808	1920	480	120	432	432
<i>Alexandrium fundyense</i> (quadruplet)				320				
<i>Alexandrium fundyense</i> (triplet)	80	144		480				
<i>Amphidinium carterae</i>							144	
<i>Apedinella radians</i>					40			
Armoured dinoflagellate	80	288		160	400		288	
<i>Asterionellopsis glacialis</i>					40			
<i>Aulacoseira ambigua</i>					120	80		

3-Aug-04 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Brachionus</i> spp.	80		578		40			
<i>Cerataulina pelagica</i>	320			160	80		288	720
<i>Ceratium lineatum</i>			289					
<i>Ceratium longipes</i>	80		289			40		
<i>Ceratium</i> spp.			289					
<i>Chaetoceros contortus</i>	80					80	288	144
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	560	288	867	320			432	432
<i>Chaetoceros danicus</i>		144					288	432
<i>Chaetoceros filiformis</i>							144	
<i>Chaetoceros furcellatus</i>						40		
<i>Chaetoceros laciniosus</i>	480	144					144	144
<i>Chaetoceros simplex</i>					80	40	432	288
<i>Chaetoceros socialis</i>	160						7488	432
<i>Chaetoceros</i> spp. (Hyalochaete)	320			320	160	40	2160	576
<i>Chrysochromulina parkeae</i>		144						144
<i>Commatia cryoporinum</i>					40			
Copepoda					40			
<i>Coscinodiscus</i> spp.	320		289					
<i>Cylindrotheca closterium</i>	1680	864	1445	1920	2640	1240	3312	1440
<i>Dactylosolen fragilissimus</i>	80	288			80	40	1152	1296
<i>Dictyocha speculum</i>	240	720	578	640	40	40	288	
<i>Dinobryon</i> spp.		144						
<i>Dinophysis acuminata</i>	80		2312	1120	160			576
<i>Dinophysis norvegica</i>	160		867	320	120			432
<i>Diitylum brightwellii</i>	80				40	40		144
<i>Eucampia zodiacus</i>	80	144				40	144	144
<i>Eutreptiella</i> sp.		144	578				144	144
<i>Favella</i> spp.			289					
<i>Gonyaulax spinifera</i>	80							
<i>Guinardia delicatula</i>							144	
<i>Gyrodinium</i> spp.	160		289	160	120		144	144
<i>Helicostomella</i> spp.	800	144	8381	640	120		144	432
<i>Heterocapsa triquetra</i>	1280	2304	7225	800	120		144	720
<i>Laboea</i> sp.	160		867					
<i>Leptocylindrus danicus</i>	720							
<i>Leptocylindrus minimus</i>	36080	8352	9826	13440	6200	960	171072	37281
<i>Mediopyxis helysia</i>						80	144	
<i>Mesodinium rubrum</i>	2000	3024	3179	960	240		6336	1728
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>				160		40		
Pennate diatom					80			
<i>Pleurosigma angulatum</i>	80						144	
<i>Porosira glacialis</i>								144
<i>Protoperidinium bipes</i>	80						144	144
<i>Protoperidinium brevipes</i>			867					
<i>Protoperidinium depressum</i>		144						
<i>Protoperidinium excentricum</i>				160				
<i>Protoperidinium ovatum</i>				160				
<i>Protoperidinium</i> spp.	80		867	320	120			144
<i>Pseudo-nitzschia delicatissima</i> group	31600	20736	38726	24960	16760	6400	44352	77452
<i>Pseudo-nitzschia seriata</i> group	240	144					4464	720
<i>Rhizosolenia hebetata</i> f. <i>semispina</i>	160						720	
<i>Scrippsiella trochoidea</i>	400	288	867	160			144	144
<i>Skeletonema costatum</i>	240		289	160	40		288	

3-Aug-04 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Stephanopyxis turris</i>							144	144
<i>Thalassiosira gravida</i>							144	
<i>Thalassiosira</i> spp.	720			160	320	80	7056	576
Tintinnida	480	2448	867	4320	280	40		288
<i>Tintinnopsis</i> spp.					1600			
Unarmoured dinoflagellate	1040	864	2601	480	160	40	288	1008
10-Aug-04								
<i>Alexandrium fundyense</i>	69360	94792	299982	4720	1200	1360	80	29478
<i>Alexandrium fundyense</i> (duplet)	9826	2890	9248	80		40		
<i>Alexandrium fundyense</i> (planozygote)	578	11560	21964	1120	1200	1000		1734
<i>Alexandrium fundyense</i> (quadruplet)	578		578					
<i>Alexandrium fundyense</i> (triplet)	578	2312		80				
<i>Amphidinium carterae</i>				240			80	
<i>Amphidinium sphenoides</i>				160	40			
<i>Apedinella radians</i>	144		386	40		40		
Armoured dinoflagellate	288	193	386	600	40	40	560	144
<i>Asterionellopsis glacialis</i>	144						80	
<i>Aulacoseira ambigua</i>						160		288
Centric diatom				40				
<i>Cerataulina pelagica</i>	288				40		80	
<i>Ceratium lineatum</i>	144	386						
<i>Ceratium longipes</i>		193		280			160	288
<i>Chaetoceros contortus</i>	144			40			160	2736
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	1152	772	1737	160	40		240	432
<i>Chaetoceros danicus</i>							320	144
<i>Chaetoceros filiformis</i>	288							
<i>Chaetoceros laciniosus</i>	576			40			320	
<i>Chaetoceros lorenzianus</i>								288
<i>Chaetoceros pseudobrevis</i>					80			
<i>Chaetoceros pseudocrinitus</i>							80	
<i>Chaetoceros similis</i>	864							144
<i>Chaetoceros simplex</i>					40	80	240	
<i>Chaetoceros socialis</i>	432	193					20640	720
<i>Chaetoceros</i> spp. (Hyalochaete)	1008			160	680	120	1360	1440
<i>Chrysochromulina parkeae</i>	144		193					
<i>Comnatum cryoporinum</i>	144				80	40		
Copepoda						40		
<i>Coscinodiscus</i> spp.				40				
<i>Cylindrotheca closterium</i>	1440		965	400	3000	960	2400	
<i>Dactyliosolen fragilissimus</i>	2880	965	386	1000	400	160	4240	288
<i>Dictyocha speculum</i>	864	1158	3088	440	40		960	1008
<i>Dinobryon</i> spp.			193					
<i>Dinophysis acuminata</i>	720	579	579	1840		40	240	288
<i>Dinophysis norvegica</i>	144		193	240			160	
<i>Dinophysis pulchella</i>								2880
<i>Ebria tripartita</i>	144			80				288
<i>Eucampia zodiacus</i>					40		80	
<i>Eutimnium</i> sp.		19686	5404					
<i>Eutreptiella</i> sp.	432	386		40				1008
<i>Favella</i> spp.	144							
<i>Gonyaulax digitale</i>		386						
<i>Gonyaulax spinifera</i>			386					
<i>Guinardia flaccida</i>								432

10-Aug-04 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Gyrodinium</i> spp.	432	579	1158	240			1360	144
<i>Helicostomella</i> spp.	576	386	1930	40			1200	288
<i>Heterocapsa triquetra</i>	1008	193					80	576
<i>Laboea</i> sp.	576		579	120				
<i>Leptocylindrus minimus</i>	2448	386	1544	2000	1760	640	1840	144
<i>Mediopyxis helysia</i>				40	40	40	240	
<i>Membraneis challengerii</i>				40	80	40		
<i>Mesodinium rubrum</i>	8784	579	3474	400	120	280	3360	1296
Pennate diatom	432				120	160		
<i>Pleurosigma</i> / <i>Gyrosigma</i>							80	
<i>Pleurosigma angulatum</i>	144				40			
<i>Porosira glacialis</i>	288					40		
<i>Proboscia alata</i>								864
<i>Protoperidinium bipes</i>	288				40	40	400	
<i>Protoperidinium brevipes</i>			193					
<i>Protoperidinium conicum</i>							80	144
<i>Protoperidinium</i> spp.				80			80	720
<i>Protoperidinium steinii</i>			193	80				
<i>Pseudo-nitzschia americana</i>						40		
<i>Pseudo-nitzschia delicatissima</i> group	21809	36703	89012	151436	19920	9000	22080	42772
<i>Pseudo-nitzschia seriata</i> group						40	480	
<i>Rhizosolenia hebetata</i> f. <i>semispina</i>				40				
<i>Scrippsiella</i> sp.								288
<i>Scrippsiella trochoidea</i>	144			80			80	
<i>Skeletonema costatum</i>	864			120	400	240	80	288
<i>Stephanopyxis turris</i>							80	
<i>Thalassionema nitzschioides</i>					40	40		
<i>Thalassiosira anguste-lineata</i>							80	
<i>Thalassiosira gravida</i>						40	80	
<i>Thalassiosira</i> sp. (tiny)				40		40	80	
<i>Thalassiosira</i> spp.	3888			200	680	280	4160	432
Tintinnida	3024	772		1680	280	120	1120	432
<i>Tintinnopsis</i> spp.					120	40		
Unarmoured dinoflagellate	2016	193	579	920	120	160	2000	576
17-Aug-04								
<i>Alexandrium fundyense</i>	64742	70516	30816	4080	720	240	80	27406
<i>Alexandrium fundyense</i> (duplet)	5774	2894	720		40			
<i>Alexandrium fundyense</i> (planozygote)		1728	288	40	80			
<i>Alexandrium fundyense</i> (quadruplet)	576	576			40			
<i>Alexandrium fundyense</i> (triplet)	576		720					
<i>Amphidinium carterae</i>				80				
<i>Amphidinium sphenoides</i>				80				
<i>Apedinella radians</i>		144	1008	120				
Armoured dinoflagellate		432	576	400	200			965
<i>Asterionellopsis glacialis</i>				40				
<i>Brachionus</i> spp.	432	144						
Centric diatom						40		
<i>Ceratium lineatum</i>		288	288	80			40	193
<i>Ceratium longipes</i>	144			360	40			2316
<i>Chaetoceros contortus</i>				280	40		120	8685
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	720	1008	720	400	40		40	
<i>Chaetoceros decipiens</i>					40			
<i>Chaetoceros furcellatus</i>							40	

17-Aug-04 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Chaetoceros laciniosus</i>				80			40	386
<i>Chaetoceros lorenzianus</i>							40	4246
<i>Chaetoceros radicans</i>							520	
<i>Chaetoceros similis</i>			144			80		
<i>Chaetoceros simplex</i>				120				386
<i>Chaetoceros socialis</i>	288			200	280		11560	193
<i>Chaetoceros</i> spp. (Hyalochaete)	288			400	280	80		10808
<i>Chrysochromulina parkeae</i>	144		288					193
<i>Commation cryporinum</i>				40	80			
Copepoda							80	193
<i>Corethron hystrix</i>					40			
<i>Coscinodiscus</i> spp.		144				40		
<i>Coxiella</i> spp.			144					
<i>Cylindrotheca closterium</i>	1440	720	432	200	2360	840	400	1544
<i>Dactyliosolen fragilissimus</i>	576	288	1296	440	160	40	360	193
<i>Dictyocha speculum</i>		144	720	400	40		80	
<i>Dinobryon</i> spp.	288	432	288	280				
<i>Dinophysis acuminata</i>	1152	720	2160	920		80	40	2316
<i>Dinophysis norvegica</i>	144		288	360	40		80	193
<i>Ebria tripartita</i>			144	80	40		80	579
<i>Eucampia zodiacus</i>		144		200				
<i>Eutimninus</i> sp.		432	288					
<i>Eutreptiella</i> sp.	432		144	400	120		400	193
<i>Favella</i> spp.	1008							1737
<i>Gonyaulax digitale</i>			288					
<i>Gonyaulax spinifera</i>		576						
<i>Guinardia delicatula</i>							240	
<i>Gyrodinium</i> spp.	1152	432	864	600	200		160	386
<i>Helicostomella</i> spp.	1152	1296	720				160	965
<i>Heterocapsa triquetra</i>	288	288	288	200				9457
<i>Laboea</i> sp.	576	288	144	80			80	
<i>Lennoxia faveolata</i>					40			
<i>Leptocylindrus minimus</i>	1008	288	1152	360	120		40	193
<i>Mediopyxis helysia</i>							40	
<i>Membraneis challengeri</i>				40		40		
<i>Mesodinium rubrum</i>	4752	6048	7488	360	280	40	1480	1158
<i>Navicula distans</i>						40		
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>				80				
<i>Paralia sulcata</i>	144							
Pennate diatom	432	864		40	400		40	
<i>Pleurosigma angulatum</i>						40		
<i>Polykrikos</i> spp.	720	1584	864	80				
<i>Proboscia alata</i>			288				160	4053
<i>Prorocentrum minimum</i>				960				
<i>Protoperidinium bipes</i>				40				
<i>Protoperidinium brevipes</i>			288					
<i>Protoperidinium</i> spp.	144			160				772
<i>Protoperidinium steinii</i>				120				
<i>Pseudo-nitzschia americana</i>		720						
<i>Pseudo-nitzschia delicatissima</i> group	12816	11376	24710	22680	9400	2960	4000	14282
<i>Pseudo-nitzschia seriata</i> group				40			200	1351
<i>Rhizosolenia imbricata</i>								1544
<i>Rhizosolenia</i> spp.							40	

17-Aug-04 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Scrippsiella</i> sp.	144	144						
<i>Scrippsiella trochoidea</i>		432	144					
<i>Skeletonema costatum</i>			144	40			40	
<i>Thalassiosira</i> spp.	576	144		480	80		40	193
Tintinnida	2592	144	2448	4240	120		840	193
<i>Tintinnopsis</i> spp.						120		
Unarmoured dinoflagellate	1008	864	2016	2120	320	120	480	1544
24-Aug-04								
<i>Achnanthes</i> sp.	40							
<i>Actinopteryx senarius</i>	160							
<i>Alexandrium fundyense</i>	440	440	1440	288				400
<i>Amphidinium carterae</i>	80			288				
<i>Amphidinium spheonoides</i>				288				
<i>Amylax triacantha</i>	40							
<i>Apedinella radians</i>	80	40	1008					
Armoured dinoflagellate	280	40	432	576	40		20	80
<i>Asterionellopsis glacialis</i>		40	144					
<i>Aulacoseira ambigua</i>						120		
<i>Brachionus</i> spp.				144				
Centric diatom				144		20		
<i>Cerataulina pelagica</i>	40							
<i>Ceratium lineatum</i>				144				
<i>Ceratium longipes</i>								320
<i>Chaetoceros contortus</i>	200	80	144	288				80
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	440	560	3456	1008	80		20	
<i>Chaetoceros debilis</i>	40		144	144				
<i>Chaetoceros decipiens</i>	80	120	576	144	40			640
<i>Chaetoceros didymus</i>							20	
<i>Chaetoceros furcellatus</i>						60		
<i>Chaetoceros lacinosus</i>	40		432		40		20	240
<i>Chaetoceros lorenzianus</i>							180	4320
<i>Chaetoceros radicans</i>				288	40			160
<i>Chaetoceros similis</i>		40	2880					
<i>Chaetoceros simplex</i>	560	280	2736	1440	160		40	320
<i>Chaetoceros socialis</i>	920	400	3024	2016	160		60	4400
<i>Chaetoceros</i> spp. (Hyalochaete)	120	80	1008	9504	360	60	200	6320
<i>Chrysochromulina parkeae</i>		40	288					
<i>Commation cryoporinum</i>	80				80	60		
Copepoda		40		144				160
<i>Corethron hystrix</i>	40	40		288				
<i>Coscinodiscus</i> spp.	40						20	
<i>Cylindrotheca closterium</i>	1280	880	1728	2016	1880	160	140	160
<i>Dactyliosolen fragilissimus</i>	960	560	2736	2160	40	60	100	240
<i>Dictyocha speculum</i>	440	640	1152	432			80	11600
<i>Dinobryon</i> spp.	40	80	144	144		20		
<i>Dinophysis acuminata</i>	200	80	864	576				560
<i>Dinophysis norvegica</i>	40			144			80	160
<i>Dietylum brightwellii</i>	40							
<i>Ebria tripartita</i>							40	560
<i>Eucampia zodiacus</i>	40							
<i>Eutreptiella</i> sp.	280	80	432	1008			20	160
<i>Favella</i> spp.	240	40		432				
<i>Gonyaulax spinifera</i>	40							

24-Aug-04 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Guinardia delicatula</i>	40		144	576			120	320
<i>Guinardia flaccida</i>								400
<i>Gyrodinium</i> spp.	240			144	40		20	160
<i>Helicostomella</i> spp.	280	40	144				40	720
<i>Heterocapsa triquetra</i>	80	40	144					80
<i>Laboea</i> sp.	800	40	144	432				80
<i>Leptocylindrus danicus</i>				288				
<i>Leptocylindrus minimus</i>	1440	760	3600	1728	200		20	
<i>Membraneis challengerii</i>					40			
<i>Mesodinium rubrum</i>	18720	2120	78912	2016			580	10000
<i>Navicula distans</i>								
<i>Paralia sulcata</i>						20		
Pennate diatom	360		1440	3600		60		
<i>Pleurosigma</i> / <i>Gyrosigma</i>	40					80		
<i>Polykrikos</i> spp.	1440	200	3456	864	40		20	
<i>Proboscia alata</i>						20	20	
<i>Prorocentrum minimum</i>				288				
<i>Protoperidinium bipes</i>				144				
<i>Protoperidinium</i> spp.			144					
<i>Protoperidinium steinii</i>								80
<i>Pseudo-nitzschia americana</i>		40		720			20	
<i>Pseudo-nitzschia delicatissima</i> group	6400	6120	14832	27936	8120	380	1240	4080
<i>Pseudo-nitzschia seriata</i> group						60	100	1760
<i>Rhizosolenia imbricata</i>							20	160
<i>Rhizosolenia setigera</i>	40							
<i>Rhizosolenia</i> spp.								160
<i>Scrippsiella trochoidea</i>	40	40						
<i>Skeletonema costatum</i>	320	80	288	864		20	60	
<i>Stephanopyxis turris</i>								240
<i>Thalassiosira anguste-lineata</i>	40	80	144					
<i>Thalassiosira</i> sp. (tiny)					40			
<i>Thalassiosira</i> spp.	760	320	720	720	80			
<i>Thalassiothrix longissima</i>							20	
Tintinnida	1000	160	864	1728		20	60	560
<i>Tintinnopsis</i> spp.				1152	40	80		
Unarmoured dinoflagellate	760		576	576	160	180	40	160
31-Aug-04								
<i>Alexandrium fundyense</i>							20	
<i>Alexandrium fundyense</i> (cyst)							20	
<i>Amphidinium carterae</i>				289				
<i>Amphidinium spheonoides</i>	144	289						
<i>Apedinella radians</i>	576	289		867	280			
Armoured dinoflagellate	288		1734					160
<i>Asterionellopsis glacialis</i>	432		1156	867				
Centric diatom	144							
<i>Ceratium lineatum</i>	144							
<i>Ceratium longipes</i>							20	
<i>Chaetoceros contortus</i>	1296	2601	10404	2023			20	640
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	3744	5780	10404	5491	120		20	
<i>Chaetoceros danicus</i>				289				
<i>Chaetoceros debilis</i>	288		1445	289				
<i>Chaetoceros decipiens</i>		867	2312		80		120	640
<i>Chaetoceros filiformis</i>	144		1156					

31-Aug-04 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Chaetoceros laciniosus</i>	576	867	289	289				
<i>Chaetoceros lorenzianus</i>	576				200		60	2560
<i>Chaetoceros radicans</i>	144		289	289	120			160
<i>Chaetoceros similis</i>		289	867					
<i>Chaetoceros simplex</i>	1728	2023	4913	4913	560		80	640
<i>Chaetoceros socialis</i>	6912	17340	31501	8670	1080			8160
<i>Chaetoceros</i> spp. (Hyalochaete)	9072	15028	14739	26010	4440		120	960
<i>Chrysochromulina parkeae</i>	144	2312	1156	1156				160
<i>Commation cryoporinum</i>	144				160			
<i>Corethron hystrix</i>								320
<i>Cylindrotheca closterium</i>	2304	3179	1445	3468	1160		60	
<i>Dactyliosolen fragilissimus</i>	10656	15317	34102	18785	3120			480
<i>Dictyocha speculum</i>	288		289		40		300	33760
<i>Dinobryon</i> spp.		289						
<i>Dinophysis acuminata</i>					40		20	320
<i>Dinophysis norvegica</i>								1600
<i>Ditylum brightwellii</i>	144							
<i>Ebria tripartita</i>	144						20	7680
<i>Eutreptiella</i> sp.	1440	578	578	578				3840
<i>Favella</i> spp.	576	578	578					
<i>Gonyaulax spinifera</i>	144							160
<i>Guinardia delicatula</i>	432	289	2890	867	160		40	960
<i>Guinardia flaccida</i>			578					2400
<i>Gyrodinium</i> spp.	576	578	1156					
<i>Helicostomella</i> spp.		578						
<i>Heterocapsa triquetra</i>	144	578	289					960
<i>Laboea</i> sp.	1872	578	578				20	160
<i>Lennoxia faveolata</i>					40			
<i>Leptocylindrus minimus</i>	7920	10404	13583	14450	480		20	320
<i>Membraneis challengerii</i>			289	289				
<i>Mesodinium rubrum</i>	30923	59245	37281		240		780	40320
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>			578					
Pennate diatom	864	2601	867	10115	320			160
<i>Pleurosigma</i> / <i>Gyrosigma</i>								
<i>Polykrikos</i> spp.	288	3179	1445				20	
<i>Prorocentrum minimum</i>	144						20	
<i>Prorocentrum</i> sp. (small)	144							160
<i>Protoperidinium bipes</i>					40			
<i>Protoperidinium brevipes</i>		289	289					
<i>Protoperidinium</i> spp.		289						
<i>Pseudo-nitzschia americana</i>								160
<i>Pseudo-nitzschia delicatissima</i> group	10368	9826	17340	26010	5280		320	960
<i>Pseudo-nitzschia seriata</i> group	288	867	1734	867	120			2240
<i>Rhizosolenia hebetata</i> f. <i>semispina</i>								320
<i>Rhizosolenia imbricata</i>								160
<i>Rhizosolenia</i> spp.								320
<i>Skeletonema costatum</i>	12240	23120	24854	21386	2520		40	160
<i>Stephanopyxis turris</i>		578						
<i>Thalassionema nitzschioides</i>	432			289			20	320
<i>Thalassiosira anguste-lineata</i>			289	1445	160			
<i>Thalassiosira punctigera</i>	144							
<i>Thalassiosira</i> sp. (tiny)	144	289		867	40			
<i>Thalassiosira</i> spp.	5472	3757	7225	6358	720			

31-Aug-04 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Tintinnida	4320	3757	2023	867	40		340	8320
<i>Tintinnopsis</i> spp.					80			
Unarmoured dinoflagellate	1872	7225	5491	867			20	160
7-Sep-04								
<i>Amphidinium sphenoides</i>		289						
<i>Apedinella radians</i>		867					20	386
Armoured dinoflagellate	289	578		578		80		386
<i>Asterionellopsis glacialis</i>	2023	3179	1544	2312	288	560		
<i>Biddulphia alternans</i>					144			
Centric diatom					288	160		
<i>Cerataulina pelagica</i>	578							193
<i>Chaetoceros contortus</i>	3468	4913	3667	5202	144	400	20	
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	2312	4913	1737	2312	144			
<i>Chaetoceros danicus</i>					144			
<i>Chaetoceros debilis</i>	578	867	1737	1156				
<i>Chaetoceros decipiens</i>	289	289	193		144	320		
<i>Chaetoceros diadema</i>							20	193
<i>Chaetoceros didymus</i>								386
<i>Chaetoceros filiformis</i>		578		578				
<i>Chaetoceros laciniosus</i>	1734			578		80		386
<i>Chaetoceros lorenzianus</i>	867	867	193		432	80	120	2509
<i>Chaetoceros radicans</i>		289	193	578			20	
<i>Chaetoceros similis</i>	289	289		578		80		
<i>Chaetoceros simplex</i>	2890	3468	1737	1734	1152	800	60	386
<i>Chaetoceros socialis</i>	9537	16473	12352	17918	144	880	120	18528
<i>Chaetoceros</i> spp. (Hyalochaete)	7225	13583	7913	21386	5904	3600	80	6562
<i>Chrysochromulina parkeae</i>		867	193					193
<i>Commation cryoporinum</i>						320		
<i>Corethron hystrix</i>		289	386	578				
<i>Cylindrotheca closterium</i>	3757	1734	579	4046	2160	1280	80	193
<i>Dactyliosolen fragilissimus</i>	41616	94214	17177	47974	6336	6480	220	1930
<i>Dictyocha speculum</i>	578	289	965	578			1260	82654
<i>Dinophysis acuminata</i>		289	579					
<i>Dinophysis norvegica</i>	289	289	386				20	
<i>Ditylum brightwellii</i>	289		386				20	386
<i>Ebria tripartita</i>					144		100	3667
<i>Eucampia zodiacus</i>		578						
<i>Eutreptiella</i> sp.	578	289	772	1156			100	1158
<i>Guinardia delicatula</i>	867	2023	1158	2890	144	400	220	20651
<i>Guinardia flaccida</i>							60	9843
<i>Gyrodinium</i> spp.	289	578	386					
<i>Helicostomella</i> spp.	289	289					40	1158
<i>Heterocapsa triquetra</i>		1156	1351					193
<i>Laboea</i> sp.	867	289	1158					
<i>Lennoxia faveolata</i>		867	965				80	
<i>Leptocylindrus minimus</i>	19941	23409	5404	13872	1728	1680	80	965
<i>Mediopyxis helysia</i>	289							
<i>Membraneis challengerii</i>				578		80		
<i>Mesodinium rubrum</i>	11271	46529	6948	1156	432		4980	27985
<i>Paralia sulcata</i>						160		
Pennate diatom	1156		193	2890	4320	400	60	
<i>Pleurosigma angulatum</i>						80		
<i>Polykrikos</i> spp.	289		193					

7-Sep-04 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Prorocentrum minimum</i>								386
<i>Protoperdinium</i> spp.			386					
<i>Protoperdinium steinii</i>	289							
<i>Pseudo-nitzschia americana</i>							40	
<i>Pseudo-nitzschia delicatissima</i> group	15028	32368	157797	55488	6912	3280	100	
<i>Pseudo-nitzschia seriata</i> group	1734	2601	965	2312	432	240	200	5790
<i>Rhizosolenia hebetata</i> f. <i>semispina</i>	289		193				40	
<i>Rhizosolenia imbricata</i>							40	386
<i>Scrippsiella</i> sp.			193					
<i>Scrippsiella trochoidea</i>			193					
<i>Skeletonema costatum</i>	42483	152014	58479	141032	14976	9680	100	1351
<i>Stephanopyxis turris</i>	289				144			
<i>Thalassionema nitzschoides</i>		289	386	1156		160	60	772
<i>Thalassiosira anguste-lineata</i>	289	1445	965		144			
<i>Thalassiosira</i> sp. (tiny)	867		2123	4624	864	240	20	
<i>Thalassiosira</i> spp.	13294	18785	12159	23698	2880	1280		
Tintinnida	2312	2023	386	578	432		1240	6562
Unarmoured dinoflagellate	3468	2601	1930	578	576			386
14-Sep-04								
<i>Alexandrium fundyense</i>	80							
<i>Amphidinium carterae</i>	40	80	80					144
<i>Amphidinium sphenoides</i>	40							144
<i>Amylax triacantha</i>	40							
<i>Apedinella radians</i>		40	80					
Armoured dinoflagellate	840	880	600	600		40	80	432
<i>Asterionellopsis glacialis</i>	440	680	520	2640	288	120		
<i>Attheya</i> spp.							40	
<i>Brachionus</i> spp.	40	40	40	40				
<i>Cerataulina pelagica</i>				40			40	144
<i>Ceratium lineatum</i>		120						
<i>Ceratium longipes</i>	80	80	80					
<i>Chaetoceros affinis</i>						40	40	
<i>Chaetoceros contortus</i>	160	320	400	320	144		200	288
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	40	120	200	120				144
<i>Chaetoceros debilis</i>	80	40	320	440			200	1296
<i>Chaetoceros decipiens</i>	40			80			40	
<i>Chaetoceros didymus</i>				40	144		1040	3456
<i>Chaetoceros filiformis</i>			40					
<i>Chaetoceros laciniosus</i>	80	40	240	120		80	280	576
<i>Chaetoceros lorenzianus</i>					144	40		144
<i>Chaetoceros pseudobrevis</i>				160	144			
<i>Chaetoceros pseudocrinitus</i>		80						
<i>Chaetoceros radicans</i>	160	80	80	320	144	80		
<i>Chaetoceros simplex</i>			40		432	40		
<i>Chaetoceros socialis</i>	1920	1400	600	360		80	8920	23409
<i>Chaetoceros</i> spp. (Hyalochaete)	960	1040	960	1800	1440	480	840	2880
<i>Chaetoceros</i> spp. (Phaeoceros)				80				
<i>Commatia cryoporinum</i>					144			
<i>Corethron hystrix</i>	40	160	240	160		40	80	144
<i>Coscinodiscus</i> spp.	40	40	80	40				
<i>Cylindrotheca closterium</i>	280	160	200	520	1440	400	200	144
<i>Dactyliosolen fragilissimus</i>	400		200	240	720	720	560	1584
<i>Dictyocha speculum</i>	160	640	280	920	288		3840	33813

14-Sep-04 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Dinophysis acuminata</i>	40	120	320	200				432
<i>Dinophysis norvegica</i>				40				144
<i>Diitylum brightwellii</i>	120	120	280	80	144	40	120	864
<i>Ebria tripartita</i>				40			120	576
<i>Eucampia zodiacus</i>	40		40	40				
<i>Eutreptiella</i> sp.	680	280	600	560		40	40	720
<i>Gonyaulax spinifera</i>		40	40					
<i>Guinardia delicatula</i>	720	840	1040	920	576	40	7640	66470
<i>Guinardia flaccida</i>	120			160			840	14544
<i>Gyrodinium aureolum</i>		80	40					144
<i>Gyrodinium</i> spp.	320	840	880	320	144		40	288
<i>Gyrosigma tenuissimum</i>	40						40	
<i>Helicostomella</i> spp.	80	80	40	80			40	
<i>Heterocapsa triquetra</i>	120	3160	720					1008
<i>Laboea</i> sp.	1040	840	760	200			120	
<i>Lennoxia faveolata</i>	40							
<i>Leptocylindrus mediterraneus</i>				40				
<i>Leptocylindrus minimus</i>	800	520	1080	840	144	240	80	1008
<i>Licmophora</i> spp.							40	
<i>Mediopyxis helysia</i>	40							
<i>Mesodinium rubrum</i>	13760	1520	5400	400	720		1000	8352
Pennate diatom			120		432	280		
<i>Pleurosigma angulatum</i>	80							
<i>Polykrikos</i> spp.	40	80		40				
<i>Protoperidinium bipes</i>	40							
<i>Protoperidinium</i> spp.	40	160	280	80	144	40		
<i>Protoperidinium steinii</i>								144
<i>Pseudo-nitzschia americana</i>					1008		240	720
<i>Pseudo-nitzschia delicatissima</i> group	109242	200566	184382	130050	21168	4600	200	13680
<i>Pseudo-nitzschia seriata</i> group	440	360	840	760	1152	280	2360	12672
<i>Rhizosolenia hebetata</i> f. <i>semispina</i>	200			40			40	
<i>Rhizosolenia imbricata</i>			40				240	144
<i>Rhizosolenia setigera</i>	40							
<i>Scrippsiella</i> sp.	280	920	280					576
<i>Scrippsiella trochoidea</i>		200	320					288
<i>Skeletonema costatum</i>	6520	6320	5680	11520	4752	1120	200	432
<i>Stephanopyxis turris</i>					144			432
<i>Thalassionema nitzschioides</i>	80		80	280	288		40	288
<i>Thalassiosira anguste-lineata</i>	40	320		280	144			
<i>Thalassiosira gravida</i>	40		120					
<i>Thalassiosira punctigera</i>	120		80	120				
<i>Thalassiosira</i> sp. (tiny)	200	760	40	1240				144
<i>Thalassiosira</i> spp.	4720	3480	5640	7880	2448	520	40	1728
Tintinnida	440	440	840	400	144		120	144
Unarmoured dinoflagellate	320	1320	1880	840	288	40	80	288
21-Sep-04								
<i>Alexandrium fundyense</i>			120					
<i>Amphidinium carterae</i>		189	80					
<i>Apedinella radians</i>	35		40					
Armoured dinoflagellate	350	2898	1280	560	280	120	40	1584
<i>Asterionellopsis glacialis</i>	280	945	200	1120	320	600		
<i>Aulacoseira ambigua</i>				560				
<i>Brachionus</i> spp.		63	40					

21-Sep-04 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Centric diatom					40		40	
<i>Cerataulina pelagica</i>			160		40		80	144
<i>Ceratium lineatum</i>		63	40					
<i>Chaetoceros contortus</i>	140	1008	240	240	200	40		
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>		693	160		40			
<i>Chaetoceros danicus</i>				80				
<i>Chaetoceros debilis</i>	140	378	80		40	80	80	1440
<i>Chaetoceros decipiens</i>							40	
<i>Chaetoceros didymus</i>		126	120		80	160	400	1008
<i>Chaetoceros laciniosus</i>	175	315	80	80				
<i>Chaetoceros lorenzianus</i>					40			
<i>Chaetoceros pseudobrevis</i>						80		
<i>Chaetoceros pseudocrinitus</i>			80	80				
<i>Chaetoceros radicans</i>		189	80	160	200	120		
<i>Chaetoceros similis</i>			40	80				
<i>Chaetoceros simplex</i>					40		80	
<i>Chaetoceros socialis</i>	665	6426	2360	160	400	320	5880	10224
<i>Chaetoceros</i> spp. (Hyalochaete)	490	5355	1200	1360	960	600	280	432
<i>Commation cryoporinum</i>					80			
<i>Corethron hystrix</i>	175	252	120	240	80	160		
<i>Coscinodiscus</i> spp.	35							
<i>Cylindrotheca closterium</i>	315	252	160	560	1000	280	40	288
<i>Dactyliosolen fragilissimus</i>	70	126	40	240		120	600	1296
<i>Dictyocha speculum</i>	210	819	480	800	80	200	840	7488
<i>Dinophysis acuminata</i>	35	189	80					288
<i>Dinophysis norvegica</i>		252	80	80			40	
<i>Ditylum brightwellii</i>	70	504	360	240	80	120	120	288
<i>Ebria tripartita</i>				80				
<i>Eucampia zodiacus</i>			80					144
<i>Eutreptiella</i> sp.	105	1071	2000	800				
<i>Guinardia delicatula</i>	1435	7308	3920	1280	2080	3360	15520	54910
<i>Guinardia flaccida</i>	210	693	600	80	440	400	4600	12672
<i>Gyrodinium</i> spp.	105	630	600	80	120	40	120	
<i>Helicostomella</i> spp.	280	189					40	
<i>Heterocapsa triquetra</i>	70	2331	1760					576
<i>Laboea</i> sp.		819	680				40	
<i>Leptocylindrus danicus</i>	35							
<i>Leptocylindrus mediterraneus</i>		63	80	160		40		
<i>Leptocylindrus minimus</i>	630	2205	1200	480	280	160	280	1152
<i>Mediopyxis helysia</i>				240			40	
<i>Membraneis challengerii</i>				80				
<i>Mesodinium rubrum</i>	2135	567	5480	80	120	120	2320	4464
<i>Navicula distans</i>					40			
<i>Paralia sulcata</i>						40		
Pennate diatom						320		
<i>Pleurosigma angulatum</i>						80	40	
<i>Pleurosigma strigosum</i>						40		
<i>Polykrikos</i> spp.		63	40				40	
<i>Prorocentrum</i> sp. (small)								144
<i>Protoperidinium bipes</i>			120	80				
<i>Protoperidinium brevipes</i>		63						
<i>Protoperidinium conicum</i>	35							
<i>Protoperidinium</i> spp.			160				40	

21-Sep-04 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Protoperdinium steinii</i>	35	63						
<i>Pseudo-nitzschia americana</i>			120	80	120	80	400	1296
<i>Pseudo-nitzschia delicatissima</i> group	37859	142188	52020	55040	17000	13840	1160	8496
<i>Pseudo-nitzschia seriata</i> group	315	2331	1080	1200	440	320	200	1584
<i>Rhizosolenia hebetata</i> f. <i>semispina</i>			40				80	144
<i>Rhizosolenia imbricata</i>							320	288
<i>Rhizosolenia setigera</i>			120				80	
<i>Rhizosolenia</i> spp.	35							144
<i>Scrippsiella</i> sp.	70	441	160					
<i>Scrippsiella trochoidea</i>		252	120					
<i>Skeletonema costatum</i>	945	8127	680	3040	1640	1160	200	
<i>Stephanopyxis turris</i>			40	80				
<i>Thalassionema nitzschioides</i>	35	63	40	80	80			
<i>Thalassiosira anguste-lineata</i>	35	315		80				
<i>Thalassiosira gravida</i>	35				40			
<i>Thalassiosira punctigera</i>	70	63	40		40	40		
<i>Thalassiosira</i> sp. (tiny)			40	320				
<i>Thalassiosira</i> spp.	1085	6930	2960	2720	800	480		720
Tintinnida	350	252	480		160	80	40	288
Unarmoured dinoflagellate		693	960	80	80	80		288
27-Sep-04								
<i>Alexandrium fundyense</i>		160	160					
<i>Amphidinium carterae</i>		160						
Armoured dinoflagellate	160	520	240	160	60	80	20	
<i>Asterionellopsis glacialis</i>	40	80		520	200	120		
<i>Brachionus</i> spp.		80						
Centric diatom					40			
<i>Cerataulina pelagica</i>	200	480	240	400	20		60	578
<i>Chaetoceros contortus</i>		80	160	80	40		20	289
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	240	40	80	120				
<i>Chaetoceros debilis</i>	200		80	240	20			
<i>Chaetoceros didymus</i>	40	40			20		20	1156
<i>Chaetoceros laciniosus</i>	120	80	320	120				
<i>Chaetoceros pseudobrevis</i>				160				
<i>Chaetoceros radicans</i>		40				40		
<i>Chaetoceros similis</i>			80					
<i>Chaetoceros simplex</i>							40	
<i>Chaetoceros socialis</i>	3320	3680	2480	1320	680		1220	163574
<i>Chaetoceros</i> spp. (Hyalochaete)	880	440	720	1120	200	240	40	2312
<i>Commaion cryoporinum</i>		40	80	40	120	40	20	
Copepoda				40				
<i>Corethron hystrix</i>	200	80		80	80	80		289
<i>Coscinodiscus</i> spp.	40					40		
<i>Cylindrotheca closterium</i>	240	160	240	240	480	120	160	
<i>Dactyliosolen fragilissimus</i>	40				80		100	1156
<i>Dictyocha speculum</i>	160	440	320	480	20		180	2890
<i>Dinophysis acuminata</i>		40	160				20	
<i>Dinophysis norvegica</i>			80				40	
<i>Ditylum brightwellii</i>	360	160	160	240	80		60	1445
<i>Ebria tripartita</i>			80					
<i>Eucampia zodiacus</i>							20	2890
<i>Eutreptiella</i> sp.	600	2360	5440	120	20		160	289
<i>Gonyaulax spinifera</i>		80						

27-Sep-04 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Guinardia delicatula</i>	3240	5480	8000	4000	840	280	780	2312
<i>Guinardia flaccida</i>	1080	80	960	560	660	80	2860	39882
<i>Gyrodinium</i> spp.	320	440	1120	80	120		120	289
<i>Helicostomella</i> spp.	360	240					20	289
<i>Heterocapsa triquetra</i>	2560	8000	12320				20	1445
<i>Laboea</i> sp.	600	1320	800	40			100	
<i>Leptocylindrus mediterraneus</i>		80	80					
<i>Leptocylindrus minimus</i>	1320	920	1520	1360	120		200	1445
<i>Mediopyxis helysia</i>	40							
<i>Mesodinium rubrum</i>	3080	1160	8080	240			9120	30634
<i>Navicula distans</i>				40				
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>				120				
<i>Notholca</i> spp.								
<i>Paralia sulcata</i>						40		
Pennate diatom	80	120		40	60	120		
<i>Polykrikos</i> spp.	80	200						
<i>Prorocentrum minimum</i>								
<i>Prorocentrum</i> sp. (small)		40		40				
<i>Protoperidinium bipes</i>	80	160	80	80				
<i>Protoperidinium brevipes</i>		40						
<i>Protoperidinium</i> spp.	40	120	80	120				
<i>Protoperidinium steinii</i>	40	40						
<i>Pseudo-nitzschia americana</i>	120	80	160		100		480	9826
<i>Pseudo-nitzschia delicatissima</i> group	1160	760	560	1800	2440	1760	440	289
<i>Pseudo-nitzschia seriata</i> group	560	480	400	720	40		60	867
<i>Rhizosolenia hebetata</i> f. <i>semispina</i>	40						140	
<i>Rhizosolenia imbricata</i>	40		80	80	40	40	60	867
<i>Rhizosolenia setigera</i>	40	40				40	20	
<i>Scrippsiella</i> sp.	1360	3880	8080					1156
<i>Scrippsiella trochoidea</i>		4480	1120					
<i>Skeletonema costatum</i>	240	80	80	280	180	240		
<i>Stephanopyxis turris</i>								289
<i>Thalassionema nitzschioides</i>					100		40	
<i>Thalassiosira anguste-lineata</i>	80	40		80	40			
<i>Thalassiosira gravida</i>	80			40				
<i>Thalassiosira punctigera</i>	80	80	160		80			
<i>Thalassiosira</i> sp. (tiny)				40				
<i>Thalassiosira</i> spp.	1040	960	1840	480	280		80	
Tintinnida	1200	520	1600	160	60	80	360	1156
<i>Tintinnopsis</i> spp.					40			
Unarmoured dinoflagellate	520	1040	2560	240	80		200	578
4-Oct-04								
<i>Actinopterychus senarius</i>					160	160		
<i>Amphidinium carterae</i>				40				
<i>Apedinella radians</i>		40	240		40			
Armoured dinoflagellate	240	280	2480	280	80	160		578
<i>Asterionellopsis glacialis</i>	40			40	40	200		
Centric diatom			80	40	80		20	
<i>Cerataulina pelagica</i>	120	400	1040				60	
<i>Ceratium lineatum</i>	40							289
<i>Chaetoceros contortus</i>	40	120	80		160	40		
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	40	80		80				
<i>Chaetoceros debilis</i>	80	320		240	360	40		

4-Oct-04 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Chaetoceros didymus</i>	40			40	40	40	20	
<i>Chaetoceros filiformis</i>				40				
<i>Chaetoceros laciniosus</i>				40	40			
<i>Chaetoceros pseudobrevis</i>				160				
<i>Chaetoceros radicans</i>				40	120	40		
<i>Chaetoceros similis</i>				80				
<i>Chaetoceros socialis</i>	6880	8960	2720	2640	4600	2280	3700	365296
<i>Chaetoceros</i> spp. (Hyalochaete)	560	520	640	1360	640	400	80	2312
<i>Chaetoceros</i> spp. (Phaeoceros)						40		
<i>Commation cryoporinum</i>				40	40	40		
Copepoda				40				289
<i>Corethron hystrix</i>		120		120	120	200	20	289
<i>Coscinodiscus</i> spp.	40	80				40		
<i>Cylindrotheca closterium</i>	400	280	240	640	1120	560	160	578
<i>Dactylosolen fragillissimus</i>		40		80	200	120	160	867
<i>Dictyocha fibula</i>							20	
<i>Dictyocha speculum</i>	80	240	1360	360	40		80	867
<i>Dinophysis acuminata</i>								289
<i>Dinophysis norvegica</i>		40						289
<i>Ditylum brightwellii</i>	160	240	400	680	200	40	140	4913
<i>Eucampia zodiacus</i>	80	40	80	80	120		80	3757
<i>Eutreptiella</i> sp.	720	600	5120	1240	80		20	1734
<i>Gonyaulax digitale</i>							20	
<i>Gonyaulax spinifera</i>		40						
<i>Guinardia delicatula</i>	2320	6120	5680	4160	1880	840	60	289
<i>Guinardia flaccida</i>	1240	480	720	640	560	240	3320	138720
<i>Gyrodinium</i> spp.	240	120	1680	160	40		20	1156
<i>Helicostomella</i> spp.				40				
<i>Heterocapsa triquetra</i>	560	5040	27360	960				1156
<i>Laboea</i> sp.	280	320	1520	80			180	3179
<i>Leptocylindrus danicus</i>		40				80		
<i>Leptocylindrus mediterraneus</i>		40	160	200		80		
<i>Leptocylindrus minimus</i>	880	1200	1680	1840	480	520	260	289
<i>Licmophora</i> spp.		40						
<i>Mediopyxis helysia</i>		40						
<i>Mesodinium rubrum</i>	2880	1200	26880	600	200		420	17918
<i>Navicula distans</i>						40	20	
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>				40				
<i>Parafavella</i> spp.			80					
Pennate diatom		40	80	360	160			289
<i>Pleurosigma angulatum</i>							20	
<i>Polykrikos</i> spp.		40	720	40				
<i>Proboscia alata</i>							20	
<i>Protoperidinium conicum</i>		40						
<i>Protoperidinium steinii</i>			240					
<i>Pseudo-nitzschia americana</i>	880	200	160	80	120		1660	4624
<i>Pseudo-nitzschia delicatissima</i> group	200	160	240	1480	1920	2920	120	
<i>Pseudo-nitzschia seriata</i> group		160	320	80	320	120		289
<i>Rhizosolenia hebetata</i> f. <i>semispina</i>	80					40	20	578
<i>Rhizosolenia imbricata</i>	160				40	40	240	2023
<i>Rhizosolenia setigera</i>	120			120	40		80	
<i>Rhizosolenia</i> spp.	40				40		20	578
<i>Scrippsiella</i> sp.	280	440	8640				40	

4-Oct-04 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Scrippsiella trochoidea</i>	40	40	2560	160				
<i>Skeletonema costatum</i>	80	40		40	40	40		1445
<i>Thalassionema nitzschioides</i>				40	120	40		
<i>Thalassiosira anguste-lineata</i>	40			40	120			
<i>Thalassiosira gravida</i>	120	80		40				
<i>Thalassiosira punctigera</i>	40	40	80	160	360	200		
<i>Thalassiosira</i> spp.	40	40	640	760	360		20	
Tintinnida	560	2400	1680	400	80	80	140	578
<i>Tintinnopsis</i> spp.						40		
Unarmoured dinoflagellate	120	520	6160	480				2023
19-Oct-04								
<i>Achnanthes</i> sp.						40		
<i>Amphidinium carterae</i>					40	40		
<i>Amphidinium spheonoides</i>			200	40				40
<i>Amylax triacantha</i>								40
Armoured dinoflagellate	400	80	240	120	160	120		680
<i>Asterionellopsis glacialis</i>		80			40			
Centric diatom		80			40	40		
<i>Cerataulina pelagica</i>	160		80	160	80	160		40
<i>Chaetoceros contortus</i>		40	40		80	40	20	
<i>Chaetoceros convolutus / concavicornis</i>					40			
<i>Chaetoceros debilis</i>		40	80	160	40	40		
<i>Chaetoceros didymus</i>				40				
<i>Chaetoceros lorenzianus</i>				40	40			
<i>Chaetoceros pseudocritinitus</i>						40		
<i>Chaetoceros radicans</i>					40	40		
<i>Chaetoceros socialis</i>	2080	2360	8560	4440	1520	560	20	160
<i>Chaetoceros</i> spp. (Hyalochaete)	360	120	240	280	360	200	40	360
<i>Commation cryoporinum</i>					200			
Copepoda								80
<i>Corethron hystrix</i>		40		80	80	40	80	40
<i>Coscinodiscus</i> spp.			80					
<i>Cylindrotheca closterium</i>	400	840	360	400	320	520	80	
<i>Dactyliosolen fragillissimus</i>	40			40	40			40
<i>Dictyocha speculum</i>	80	40	120	80	80		120	1800
<i>Dinophysis acuminata</i>								
<i>Dinophysis norvegica</i>		40	40					
<i>Ditylum brightwellii</i>	680	360	560	920	360	440	120	760
<i>Ebria tripartita</i>			120					40
<i>Eucampia zodiacus</i>	800	440	640	600	1440	360	80	6400
<i>Eutreptiella</i> sp.	640	320	2960	160	360	80		280
<i>Guinardia delicatula</i>	1160	1840	3040	1320	920	880	80	240
<i>Guinardia flaccida</i>	80	200	240	200	360	920	540	
<i>Gyrodinium</i> spp.	80		320	160	240	120		160
<i>Gyrosigma fasciola</i>						40		
<i>Gyrosigma tenuissimum</i>							20	
<i>Helicostomella</i> spp.	40							200
<i>Heterocapsa triquetra</i>	120		120					720
<i>Laboea</i> sp.		40	280		40		100	40
<i>Leptocylindrus danicus</i>		40						
<i>Leptocylindrus mediterraneus</i>			80					
<i>Leptocylindrus minimus</i>	2200	2960	4000	3440	2320	760	60	600
<i>Licmophora</i> spp.		40			40			

19-Oct-04 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Membraneis challengerii</i>				320				
<i>Mesodinium rubrum</i>	18200	10440	4280	40		160	1180	19240
<i>Navicula distans</i>	40	40						
<i>Odontella sinensis</i>				80				
<i>Paralia sulcata</i>							20	
Pennate diatom	280	80	120	120	80	120	20	160
<i>Pleurosigma / Gyrosigma</i>							20	40
<i>Pleurosigma angulatum</i>						40		
<i>Polykrikos</i> spp.		40	40					40
<i>Protoperidinium bipes</i>			40					
<i>Protoperidinium punctulatum</i>	40	40						
<i>Protoperidinium</i> spp.			40					
<i>Pseudo-nitzschia americana</i>			160	80			360	120
<i>Pseudo-nitzschia delicatissima</i> group	240	200	40	440	320	240		80
<i>Pseudo-nitzschia seriata</i> group	80		40	120	200			
<i>Rhizosolenia hebetata</i> f. <i>semispina</i>			160				20	200
<i>Rhizosolenia imbricata</i>	320	120		40	200		220	880
<i>Rhizosolenia setigera</i>	40	240	80		40	160	80	80
<i>Rhizosolenia</i> spp.			40				20	280
<i>Scrippsiella</i> sp.	80							360
<i>Stephanopyxis turris</i>			40			40		
<i>Thalassionema nitzschioides</i>		120	40	40		40	20	
<i>Thalassiosira anguste-lineata</i>		40	80			40		
<i>Thalassiosira baltica</i>						40		
<i>Thalassiosira gravida</i>	120	240	360	320	120	40		
<i>Thalassiosira punctigera</i>	280	240	280	360	520	440		
<i>Thalassiosira</i> spp.	200		80	120		200		40
Tintinnida	600	200	240	120	40			1760
<i>Tintinnopsis</i> spp.					40	40		
Unarmoured dinoflagellate	320	400	440	40	240		60	720
25-Oct-04								
<i>Actinopterychus senarius</i>	80	80			240	320		200
<i>Alexandrium fundyense</i>			20		20			40
<i>Amphidinium carterae</i>	20			20				
<i>Amphidinium sphenoides</i>	40			20				
<i>Amylax triacantha</i>								40
<i>Apedinella radians</i>		120		20				
Armoured dinoflagellate	680	1120	320	240	100	120	60	120
<i>Asterionellopsis glacialis</i>	80	160		80	20	40		
<i>Brachionus</i> spp.		40		20				
Centric diatom	220	40	120		80	120		
<i>Cerataulina pelagica</i>	80	280	140	60				
<i>Ceratium lineatum</i>	40	40						40
<i>Chaetoceros contortus</i>			20		40			
<i>Chaetoceros convolutus / concavicornis</i>				20				
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	20			20				
<i>Chaetoceros debilis</i>								80
<i>Chaetoceros decipiens</i>				20				
<i>Chaetoceros furcellatus</i>						40		
<i>Chaetoceros lorenzianus</i>					20			
<i>Chaetoceros simplex</i>							20	
<i>Chaetoceros socialis</i>	500	400	520			80	20	200
<i>Chaetoceros</i> spp. (Hyalochaete)	100	160	80	280	80	360	20	80

25-Oct-04 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Chaetoceros</i> spp. (Phaeoceros)					20	40		
<i>Chaetoceros subtilis</i>			60					
<i>Commatia cryoporinum</i>	20				40		20	
Copepoda				20			40	
<i>Corethron hystrix</i>	20				20		20	
<i>Coscinodiscus</i> spp.				100	20			40
<i>Cylindrotheca closterium</i>	1460	1520	1140	1300	900	640	60	360
<i>Dactyliosolen fragilissimus</i>		120		180	160	80		
<i>Dictyocha speculum</i>	100	240	120	200	80		120	560
<i>Dinophysis acuminata</i>	80		60	20	20			80
<i>Dinophysis norvegica</i>			20					
<i>Ditylum brightwellii</i>	160	280	200	280	160	120	100	480
<i>Ebria tripartita</i>	20		20	20	20			
<i>Eucampia zodiacus</i>	140	80	20	280	20	440	780	6360
<i>Eutreptiella</i> sp.	560	760	220	300	40		20	200
<i>Gonyaulax spinifera</i>				20				
<i>Gonyaulax</i> spp.		40						
<i>Guinardia delicatula</i>	500	680	700	700	340	320	100	40
<i>Guinardia flaccida</i>			20		40	120		
<i>Gyrodinium</i> spp.	280	880	200	220	180	40	40	160
<i>Heterocapsa triquetra</i>	40	160	20	100				
<i>Laboea</i> sp.	520	520	580	160			280	360
<i>Lennoxia faveolata</i>							60	
<i>Leptocylindrus danicus</i>	160		100	40	240		20	
<i>Leptocylindrus mediterraneus</i>	60	40	100	20			20	
<i>Leptocylindrus minimus</i>	1100	680	520	880	780	520	60	640
<i>Mediopyxis helysia</i>			20					
<i>Membraneis challengerii</i>				60				
<i>Mesodinium rubrum</i>	5760	1480	4960	1340	140	160	3980	6120
<i>Micracanthodinium claytonii</i>							40	
<i>Navicula distans</i>	20	80						
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>				20				
<i>Odontella sinensis</i>	40	160		20	80			40
<i>Paralia sulcata</i>			20		40			
Pennate diatom	120	600	260	260	520	280	40	80
<i>Pleurosigma angulatum</i>	20							
<i>Pleurosigma strigosum</i>	40	40						
<i>Polykrikos</i> spp.	80	40	20					
<i>Porosira glacialis</i>		40						
<i>Prorocentrum minimum</i>				20				
<i>Prorocentrum</i> sp. (small)	20							
<i>Protoperidinium bipes</i>		40						
<i>Protoperidinium brevipes</i>				20				
<i>Protoperidinium punctulatum</i>							20	40
<i>Protoperidinium</i> spp.		40		40	20			40
<i>Protoperidinium steinii</i>	40		20					
<i>Pseudo-nitzschia americana</i>		40	60	20				80
<i>Pseudo-nitzschia delicatissima</i> group	120	80	120	420	100	160		80
<i>Pseudo-nitzschia seriata</i> group				40	40			
<i>Rhizosolenia hebetata</i> f. <i>semispina</i>	20		20				40	40
<i>Rhizosolenia imbricata</i>	20						60	
<i>Rhizosolenia setigera</i>	120	120	80	100	80		20	120
<i>Scrippsiella</i> sp.	100	160	140					

25-Oct-04 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Scrippsiella trochoidea</i>	20	160						
<i>Skeletonema costatum</i>	20	40		80	20	120	20	80
<i>Thalassionema nitzschioides</i>	20	80	40		100	40		
<i>Thalassiosira anguste-lineata</i>		40		20				
<i>Thalassiosira baltica</i>						40		
<i>Thalassiosira gravida</i>	120	120	40		160	160	40	40
<i>Thalassiosira punctigera</i>	320	720	240	600	340	440	60	120
<i>Thalassiosira</i> sp. (tiny)	120			40	60	80		
<i>Thalassiosira</i> spp.	60	40		40	60	120	20	80
Tintinnida	2100	600	1000	260	20	40	260	440
Unarmoured dinoflagellate	340	920	220	320	40		80	40
2-Nov-04								
<i>Actinopterychus senarius</i>	120	340	40	80		360		80
<i>Alexandrium fundyense</i>		40	40					
<i>Amphidinium sphenoides</i>	20		20					40
Armoured dinoflagellate	260	60	80	20		80		240
<i>Asterionellopsis glacialis</i>	40	20	20	20		200		
Centric diatom				20				
<i>Cerataulina pelagica</i>	20			20				
<i>Ceratium lineatum</i>	40							
<i>Ceratium longipes</i>						40		
<i>Chaetoceros convolutus</i>						40		
<i>Chaetoceros debilis</i>	40							40
<i>Chaetoceros decipiens</i>					40			
<i>Chaetoceros radicans</i>						40		
<i>Chaetoceros socialis</i>	100				200		20	
<i>Chaetoceros</i> spp. (Hyalochaete)	20	40	20	80	120			120
<i>Chaetoceros</i> spp. (Phaeoceros)		20						
<i>Chaetoceros subtilis</i>	20	20						
<i>Commation cryoporinum</i>			60			40		
Copepoda				20				40
<i>Corethron hystrix</i>	20	20	20		160	40	40	
<i>Coscinodiscus</i> spp.	40	80	20		40			80
<i>Cylindrotheca closterium</i>	1120	380	340	460	1080	640	100	80
<i>Dactyliosolen fragilissimus</i>		60	60			40		
<i>Dictyocha speculum</i>	120		20	20	80		100	1640
<i>Dinophysis acuminata</i>	60		20					80
<i>Ditylum brightwellii</i>	360	180	140	120	80	200	200	840
<i>Eucampia zodiacus</i>	760	180					60	7640
<i>Eutreptiella</i> sp.	80		60	20		80	20	240
<i>Guinardia delicatula</i>	80	280	280	280	240	200	20	160
<i>Gyrodinium</i> spp.	100	60	140	80	40		20	160
<i>Helicostomella</i> spp.	20							
<i>Heterocapsa triquetra</i>			80					40
<i>Laboea</i> sp.	40	40	160				160	120
<i>Lennoxia faveolata</i>								80
<i>Leptocylindrus danicus</i>	40	40		20				40
<i>Leptocylindrus mediterraneus</i>			80					80
<i>Leptocylindrus minimus</i>	60	300	280	220	280	360	40	280
<i>Mediopyxis helysia</i>		20						
<i>Membraneis challengerii</i>					40			
<i>Mesodinium rubrum</i>	1120	2080	3460	120		40	2320	9440
<i>Navicula distans</i>		20	20	40		120		

2-Nov-04 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Odontella sinensis</i>		40	20	60	80			
<i>Paralia sulcata</i>		40		20				
Pennate diatom	140			40	120	440		
<i>Pleurosigma / Gyrosigma</i>	40	40						
<i>Pleurosigma angulatum</i>				20		40	20	
<i>Pleurosigma strigosum</i>						40		
<i>Porosira glacialis</i>			20					
<i>Protoperidinium steinii</i>	20							
<i>Pseudo-nitzschia americana</i>								40
<i>Pseudo-nitzschia delicatissima</i> group	120	140	120	200	160	160	20	40
<i>Pseudo-nitzschia seriata</i> group			20		40	40		
<i>Rhizosolenia hebetata</i> f. <i>semispina</i>	20	60				80		80
<i>Rhizosolenia imbricata</i>	140	20					60	240
<i>Rhizosolenia setigera</i>	40	20	20		40	40	20	80
<i>Scrippsiella trochoidea</i>	20	40	20					
<i>Skeletonema costatum</i>			100	40			40	
<i>Thalassionema nitzschioides</i>		20		40		80		
<i>Thalassiosira gravida</i>	20	40						120
<i>Thalassiosira punctigera</i>	360	560	280	560	360	680	40	240
<i>Thalassiosira</i> sp. (tiny)		20		40	80			
<i>Thalassiosira</i> spp.	80	80	40	40		40	20	80
Tintinnida	240	60	260	40	40		100	280
Unarmoured dinoflagellate	160	80	80		40			280
7-Dec-04								
<i>Actinopterychus senarius</i>	40	40				160	40	120
<i>Alexandrium fundyense</i>		20		20				
<i>Amphidinium carterae</i>							20	
<i>Apedinella radians</i>		20						
Armoured dinoflagellate	20	140	60	60	160			60
<i>Asterionella formosa</i>							80	
<i>Asterionellopsis glacialis</i>	20	40	20			80		
<i>Brachionus</i> spp.		20						
Centric diatom		20		40	120	140	20	20
<i>Cerataulina pelagica</i>						20		
<i>Ceratium tripos</i>		20						
<i>Chaetoceros danicus</i>								20
<i>Chaetoceros socialis</i>		20						
<i>Commation cryoporinum</i>	20				80			
<i>Corethron hystrix</i>	20	20			40			
<i>Coscinodiscus</i> spp.		20	20		40	20		
<i>Cylindrotheca closterium</i>	700	340	780	260	1160	940	260	800
<i>Dictyocha speculum</i>	40	40	40	20	80		20	20
<i>Dinophysis acuminata</i>		20						
<i>Ditylum brightwellii</i>	180	180	200	60	40	160	100	180
<i>Eucampia zodiacus</i>								20
<i>Eutreptiella</i> sp.	100	100	60	40	200			140
<i>Guinardia delicatula</i>	120	80	40	100	160	20	220	280
<i>Gyrodinium</i> spp.		20	20	40	40	20	20	
<i>Laboea</i> sp.	100	20	40	60			160	340
<i>Leptocylindrus danicus</i>	20							
<i>Leptocylindrus minimus</i>	20	100	80	40	160	40		140
<i>Mediopyxis helysia</i>		20				40		
<i>Mesodinium rubrum</i>	320	580	1460	780		40	280	4900

7-Dec-04 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Navicula distans</i>	20		20			40		40
<i>Navicula transiens</i> var. <i>derasa</i> f. <i>delicatula</i>				20				
<i>Odontella sinensis</i>							20	20
<i>Parulia sulcata</i>					40			
Pennate diatom	260	20	60	60	440	200	160	
<i>Porosira glacialis</i>					40			
<i>Protoperidinium</i> spp.					40		20	
<i>Protoperidinium steinii</i>								40
<i>Pseudo-nitzschia delicatissima</i> group	120	20	60	100	80	100	20	120
<i>Ptychocyclus</i> spp.			20					
<i>Rhizosolenia hebetata</i> f. <i>semispina</i>							20	
<i>Rhizosolenia imbricata</i>				20	40	20		
<i>Rhizosolenia setigera</i>	20			20				20
<i>Skeletonema costatum</i>	80	40	60		40		20	
<i>Thalassionema nitzschioides</i>	20	20	40					40
<i>Thalassiosira anguste-lineata</i>		20						20
<i>Thalassiosira baltica</i>						20		
<i>Thalassiosira gravida</i>	60	20		40	40	40	20	
<i>Thalassiosira punctigera</i>	260	380	360	280	200	80	320	520
<i>Thalassiosira</i> sp. (tiny)						20		
<i>Thalassiosira</i> spp.	100	40	60	40		40	60	40
Tintinnida	120	100	160				360	500
<i>Tintinnopsis</i> spp.						20		
Unarmoured dinoflagellate	40	40	80	20	120		40	280
4-Jan-05								
<i>Actinopterychus senarius</i>			60					
<i>Alexandrium fundyense</i>	20							
<i>Alexandrium pseudogonyaulax</i>			40					
<i>Amphidinium carterae</i>				160		40		
Armoured dinoflagellate	20		20		40			80
<i>Asterionellopsis glacialis</i>		60	40		40			
Centric diatom			40					40
<i>Chaetoceros</i> spp. (Hyalochaete)	20							20
<i>Commation cryoporinum</i>				40				
Copepoda								20
<i>Corethron hystrix</i>			20					
<i>Coscinodiscus</i> spp.				40			40	20
<i>Cylindrotheca closterium</i>	860	400	640	360	80	80	240	300
<i>Dictyocha speculum</i>	40	40						40
<i>Dinophysis</i> spp.	20							
<i>Ditylum brightwellii</i>	40	40	20	80	40			20
<i>Entomoneis</i> spp.	20							
<i>Entreptiella</i> sp.	40			160	80		20	320
<i>Guinardia delicatula</i>	20		60	80				40
<i>Guinardia striata</i>		20						
<i>Gyrodinium aureolum</i>			20					
<i>Gyrodinium</i> spp.					40		80	40
<i>Gyrosigma fasciola</i>	20							
<i>Laboea</i> sp.				40	40			120
<i>Lennoxia faveolata</i>			20					
<i>Leptocylindrus minimus</i>	20	40	40	40	40		40	
<i>Mediopyxis helysia</i>					40			

4-Jan-05 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Mesodinium rubrum</i>	300	40	1560	160	360		640	920
<i>Navicula distans</i>	20	20	20	40				
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>					40			20
<i>Paralia sulcata</i>		80					20	
Pennate diatom	180	80		400	320	120	80	
<i>Pleurosigma angulatum</i>	20	20			40	40		
<i>Pleurosigma strigosum</i>				40	40			
<i>Porosira glacialis</i>					40			
<i>Protoperidinium</i> spp.	20							
<i>Pseudo-nitzschia delicatissima</i> group	540	160	120	200	120		40	120
<i>Rhizosolenia setigera</i>					40			
<i>Skeletonema costatum</i>	40	40	100		40			
<i>Thalassionema nitzschioides</i>				40				20
<i>Thalassiosira gravida</i>		20	20					
<i>Thalassiosira punctigera</i>	20	20	40	40	160	80		60
<i>Thalassiosira</i> spp.	60	20		120		120		
Tintinnida	100		60	40	160	40	100	20
Unarmoured dinoflagellate	60		20		40			200
9-Feb-05								
Armoured dinoflagellate	40	20	40	40	20	20		
<i>Chaetoceros</i> spp. (Hyalochaete)			20	40				
<i>Cylindrotheca closterium</i>	200	180	160	80	60		20	
<i>Dictyocha speculum</i>	20	20						
<i>Ditylum brightwellii</i>					20			
<i>Eucampia zodiacus</i>		20						
<i>Eutreptiella</i> sp.		20			40	20		40
<i>Gyrodinium</i> spp.		80			20		40	20
<i>Gyrosigma balticum</i>								20
<i>Gyrosigma fasciola</i>						20		
<i>Laboea</i> sp.	40	20					100	20
<i>Leptocylindrus danicus</i>		20						
<i>Leptocylindrus minimus</i>		20			20	80	20	
<i>Mesodinium rubrum</i>	220	320	1860	80	100		1200	960
<i>Navicula distans</i>	20		20					
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>					20			
<i>Odontella aurita</i>	20							
<i>Odontella</i> spp.								20
Pennate diatom	80	20	20	80	100	40	20	20
<i>Pleurosigma angulatum</i>	60				20			40
<i>Pseudo-nitzschia delicatissima</i> group	180	360	140		40		40	200
<i>Skeletonema costatum</i>	20		20					20
<i>Thalassionema nitzschioides</i>		20						
<i>Thalassiosira gravida</i>			20					
<i>Thalassiosira punctigera</i>							20	20
<i>Thalassiosira</i> spp.		20		80	40			40
Tintinnida	80	80	260		40		160	120
<i>Tintinnopsis</i> spp.							60	20
Unarmoured dinoflagellate	60	40	80	40				20
1-Mar-05								
<i>Alexandrium ostenfeldii</i>						40		
<i>Asterionella formosa</i>							160	
<i>Asterionellopsis glacialis</i>	40							
<i>Asteroplanus karianus</i>					40			

1-Mar-05 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Biddulphia alternans</i>			20					
Centric diatom					40			
<i>Chaetoceros simplex</i>			20					
<i>Chaetoceros</i> spp. (Hyalochaete)	40		40			40	80	20
<i>Commation cryoporinum</i>								20
<i>Corethron hystrix</i>			40					
<i>Coscinodiscus</i> spp.		20		40			20	
<i>Cylindrotheca closterium</i>	460	80	460	40	40		60	60
<i>Cylindrotheca gracilis</i>	80	80						
<i>Eutreptiella</i> sp.	20					80		
<i>Gyrodinium</i> spp.	20					80	20	
<i>Gyrosigma balticum</i>		80						
<i>Laboea</i> sp.	20						60	120
<i>Leptocylindrus minimus</i>	20		20		40			
<i>Licmophora</i> spp.	20							
<i>Mesodinium rubrum</i>	100	340	660		80		1400	1460
<i>Navicula distans</i>		40	20					20
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>	20				80			
<i>Notholca</i> spp.			20					
<i>Odontella aurita</i>	140	20						20
<i>Paralia sulcata</i>				40				20
Pennate diatom	280	100	140	120	160	40	60	80
<i>Phaeocystis pouchetii</i>								20
<i>Pleurosigma</i> / <i>Gyrosigma</i>		20						
<i>Porosira glacialis</i>			20					
<i>Pseudo-nitzschia delicatissima</i> group	380	60	280	160	120	160	80	400
<i>Rhizosolenia setigera</i>					80			
<i>Rhizosolenia</i> spp.	20							
<i>Skeletonema costatum</i>	60		160				20	20
<i>Thalassiosira</i> sp. (tiny)	40						20	
<i>Thalassiosira</i> spp.						40		60
Tintinnida	160		20	40	40	40	420	100
<i>Tintinnopsis</i> spp.								20
Unarmoured dinoflagellate			20				20	40
22-Apr-05								
<i>Actinopterychus senarius</i>								20
<i>Alexandrium fundyense</i>	20							20
<i>Amphidinium carterae</i>	40			40			20	20
<i>Amphidinium sphenoides</i>								20
<i>Apedinella radians</i>				20				
Armoured dinoflagellate	80	40	20	60	20			80
<i>Asterionellopsis glacialis</i>			20					
<i>Aulacoseira ambigua</i>				20				
Centric diatom					40			
<i>Chaetoceros convolutus</i> / <i>conconcavicornis</i>		20						
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	60	120		60	60			140
<i>Chaetoceros debilis</i>			60					
<i>Chaetoceros socialis</i>		20	60					120
<i>Chaetoceros</i> spp. (Hyalochaete)	380	280	140	40	140		20	260
<i>Commation cryoporinum</i>		20					20	60
<i>Coscinodiscus</i> spp.				20				
<i>Cylindrotheca closterium</i>	140	220	60	100	160	60	20	100

22-Apr-05 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Dictyocha speculum</i>		60	20	40	20			20
<i>Dinobryon</i> spp.							120	20
<i>Ditylum brightwellii</i>				20				
<i>Eutreptiella</i> sp.	40	60	140	60			20	260
<i>Gyrodinium</i> spp.	60	60	20	40	60	40		120
<i>Gyrosigma fasciola</i>							20	
<i>Leptocylindrus minimus</i>		20	20	20				100
<i>Licmophora</i> spp.	20							
<i>Mesodinium rubrum</i>	380	360	280	1140	40	20	260	40
<i>Navicula distans</i>	20				60	20		
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>					40	60		
<i>Odontella aurita</i>					20			
Pennate diatom	180	100	140	320	220	40	60	200
<i>Phaeocystis pouchetii</i>				120				
<i>Porosira glacialis</i>	20	180	180	80	60	20		80
<i>Protoperidinium</i> spp.		20	20		20			
<i>Pseudo-nitzschia delicatissima</i> group	1260	6520	3400	2580	1400	20	280	1600
<i>Rhizosolenia setigera</i>	20							
<i>Skeletonema costatum</i>	780	2040	1160	920	780	140	180	320
<i>Thalassionema nitzschioides</i>				20				
<i>Thalassiosira anguste-lineata</i>		20	20					20
<i>Thalassiosira gravida</i>		20		20	20			
<i>Thalassiosira nordenskiöldii</i>				20	40	20		20
<i>Thalassiosira punctigera</i>					20			
<i>Thalassiosira</i> sp. (tiny)		160		40	80			
<i>Thalassiosira</i> spp.	300	600	660	520	360	40	100	740
Tintinnida	260	500	40	840	20		520	220
Unarmoured dinoflagellate	40	20	20					140
5-May-05								
<i>Actinopterychus senarius</i>				40				
<i>Alexandrium fundyense</i>	80	120	80					80
<i>Alexandrium ostenfeldii</i>			20					
<i>Amphidinium carterae</i>	20							
<i>Apedinella radians</i>			20					
Armoured dinoflagellate	80	20	40	40			260	120
<i>Asterionella formosa</i>							140	
<i>Aulacoseira granulata</i>							20	
Centric diatom	20							
<i>Chaetoceros contortus</i>	20							
<i>Chaetoceros convolutus</i> / <i>concavicornis</i>		20						
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	20	40	40				20	
<i>Chaetoceros socialis</i>	20							
<i>Chaetoceros</i> spp. (Hyalochaete)	80	60	120		40			120
<i>Commation cryoporinum</i>		40						
<i>Coscinodiscus</i> spp.	20	60						
<i>Cylindrotheca closterium</i>	80	60	20	160	120		100	160
<i>Dictyocha speculum</i>			20					80
<i>Dinobryon</i> spp.			20				1880	40
<i>Eutreptiella</i> sp.	20	20	20	80				2360
<i>Gyrodinium</i> spp.	160	140	120	40	40	40		360
<i>Heterocapsa triquetra</i>								80
<i>Laboea</i> sp.			20					200

5-May-05 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Leptocylindrus minimus</i>	20	120	80					120
<i>Licmophora</i> spp.							20	
<i>Melosira moniliformis</i>							20	
<i>Melosira nummuloides</i>					40			
<i>Mesodinium rubrum</i>	1860	280	360	200		40	1280	6080
<i>Navicula distans</i>	40		20			40		
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>	40	20		160	40	120		
<i>Odontella aurita</i>			20					
Pennate diatom	160	80	40	200		200	240	40
<i>Phaeocystis pouchetii</i>	20							
<i>Porosira glacialis</i>		20	80		40			
<i>Prorocentrum minimum</i>								80
<i>Pseudo-nitzschia delicatissima</i> group	1000	1640	1960	1040	360	520	680	720
<i>Rhizosolenia setigera</i>			20					
<i>Skeletonema costatum</i>	180	480	160	80	40	160	40	160
<i>Tabellaria</i> spp.							20	
<i>Thalassiosira anguste-lineata</i>	20	20						
<i>Thalassiosira gravida</i>	40	60						
<i>Thalassiosira</i> spp.	100	280	180	240	280	40	20	120
Tintinnida	840	140	340	40	240	120	1200	11640
Unarmoured dinoflagellate	100	120	140		80		40	1000
17-May-05								
<i>Alexandrium fundyense</i>	680	1120	260	80			180	260
<i>Alexandrium fundyense</i> (duplet)	80	60	40				40	
<i>Alexandrium ostenfeldii</i>	20							20
<i>Alexandrium pseudogonyaulax</i>	20							
<i>Amphidinium carterae</i>		40	20	20	20	20	60	
<i>Amphidinium sphenoides</i>	20						20	
<i>Apedinella radians</i>		20					20	700
Armoured dinoflagellate	240	700	80	20	20	20	60	140
<i>Aulacoseira granulata</i>		40	60				20	
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	20	20		40			60	
<i>Chaetoceros debilis</i>	20	80				20		
<i>Chaetoceros decipiens</i>	60							
<i>Chaetoceros furcellatus</i>						20		
<i>Chaetoceros simplex</i>								20
<i>Chaetoceros</i> spp. (Hyalochaete)	100	40			40		40	
<i>Commation cryoporinum</i>					20			
Copepoda	20	20						
<i>Cylindrotheca closterium</i>	60	60	100	60	100		120	60
<i>Dictyocha speculum</i>	80	80	140	60				120
<i>Dinobryon</i> spp.		20	20			20	240	40
<i>Dinophysis acuminata</i>				20				
<i>Dinophysis norvegica</i>				20				
<i>Ditylum brightwellii</i>					20			
<i>Eutreptiella</i> sp.	660	1000	80	140			100	180
<i>Guinardia delicatula</i>			20					
<i>Gyrodinium</i> spp.	1120	1060	160	160	80	140	100	220
<i>Heterocapsa triquetra</i>	60	60	40	20				340
<i>Laboea</i> sp.		120	20	100			20	500
<i>Leptocylindrus minimus</i>	20	60	40					40
<i>Licmophora</i> spp.	20							

17-May-05 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Membraneis challengerii</i>						20		
<i>Mesodinium rubrum</i>	2800	6280	1760	340		40	1380	8960
<i>Navicula distans</i>					20	20		
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>	20	20	20	40			20	
<i>Parafavella</i> spp.								20
Pennate diatom		120	80	60	100	60	120	40
<i>Porosira glacialis</i>	40	40				20		
<i>Preperidinium meuneri</i>	100		20					
<i>Protoperidinium bipes</i>		20						
<i>Protoperidinium brevipes</i>		20						
<i>Protoperidinium ovatum</i>		40						
<i>Protoperidinium</i> spp.	100	80		20				
<i>Protoperidinium steinii</i>			20					
<i>Pseudo-nitzschia delicatissima</i> group	2320	2080	1780	1320	640	220	580	700
<i>Ptychocylis</i> spp.	20							
<i>Scrippsiella trochoidea</i>		20	40					
<i>Skeletonema costatum</i>	80	320	240	200	240	80	40	
<i>Thalassionema nitzschioides</i>	20	20						
<i>Thalassiosira anguste-lineata</i>		40						40
<i>Thalassiosira gravida</i>	20	40						
<i>Thalassiosira nordenskiöldii</i>				20				
<i>Thalassiosira</i> sp. (tiny)				100				
<i>Thalassiosira</i> spp.	240	100	240	400	300	120	20	60
Tintinnida	2500	5420	120	220	80	20	840	3240
Unarmoured dinoflagellate	780	1480	100	100	40		180	1660
24-May-05								
<i>Actinopterychus senarius</i>							20	
<i>Alexandrium fundyense</i>	100	100	100				40	100
<i>Amphidinium carterae</i>	20	20					20	
<i>Amphidinium sphenoides</i>	20							
Armoured dinoflagellate	20		40					40
<i>Aulacoseira ambigua</i>			40					
Centric diatom		60						
<i>Chaetoceros convolutus</i>	20	40						
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	60	60	80					
<i>Chaetoceros debilis</i>	20	40					80	
<i>Chaetoceros filiformis</i>			20					
<i>Chaetoceros simplex</i>			20					
<i>Chaetoceros</i> spp. (Hyalochaete)		60	100					
<i>Commation cryoporinum</i>	20	20	80				20	20
Copepoda							20	
<i>Coscinodiscus</i> spp.	60		20					
<i>Cylindrotheca closterium</i>	840	540	800				40	80
<i>Dictyocha speculum</i>	20							
<i>Dinophysis norvegica</i>	20		20					40
<i>Ditylum brightwellii</i>	20	100	20					
<i>Eutreptiella</i> sp.	40	20	60				60	
<i>Gyrodinium</i> spp.	280	140	140				120	120
<i>Gyrosigma fasciola</i>							20	
<i>Gyrosigma tenuissimum</i>		20						
<i>Heterocapsa triquetra</i>		20						60
<i>Laboea</i> sp.	100		40				160	
<i>Leptocylindrus minimus</i>	40	60	40					

24-May-05 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Licmophora</i> spp.	20							
<i>Mediopyxis helysia</i>		100						
<i>Melosira</i> spp.	20							
<i>Mesodinium rubrum</i>	1700	640	1540				740	580
<i>Navicula distans</i>	40	20	20					40
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>	20	20	40					
<i>Parafavella</i> spp.		20						
<i>Paralia sulcata</i>		40	20					
Pennate diatom	160	240	280				40	80
<i>Porosira glacialis</i>	80	20	20					
<i>Preperidinium meuneri</i>							20	
<i>Prorocentrum</i> sp. (small)	20							
<i>Protoperidinium steinii</i>		20						
<i>Pseudo-nitzschia delicatissima</i> group	3940	9960	4920				100	480
<i>Ptychocylis</i> spp.	40							
<i>Rhizosolenia</i> spp.		20						
<i>Skeletonema costatum</i>	520	980	1000				40	40
<i>Thalassionema nitzschioides</i>	20							
<i>Thalassiosira anguste-lineata</i>								20
<i>Thalassiosira baltica</i>			40					
<i>Thalassiosira</i> spp.	760	200	720				20	40
Tintinnida	660	820	220				260	440
Unarmoured dinoflagellate	40	80	20				60	80
31-May-05								
<i>Alexandrium fundyense</i>	240	2120	1340				2000	360
<i>Alexandrium fundyense</i> (duplet)	40	160	120				160	
<i>Alexandrium ostenfeldii</i>			40				20	
<i>Amphidinium carterae</i>	20	100	80				120	40
<i>Amphidinium sphenoides</i>	20		40					
<i>Apedinella radians</i>							40	40
Armoured dinoflagellate	40	720	180	40	80	40	60	80
<i>Asterionellopsis glacialis</i>		20						
<i>Brachionus</i> spp.		20						
Centric diatom	40					80		
<i>Ceratium longipes</i>			20					
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	20	20	100				20	80
<i>Chaetoceros debilis</i>							20	20
<i>Chaetoceros decipiens</i>							20	
<i>Chaetoceros filiformis</i>								220
<i>Chaetoceros laciniosus</i>								20
<i>Chaetoceros simplex</i>							40	40
<i>Chaetoceros</i> spp. (Hyalochaete)	20	100	160	80			40	140
<i>Commatia cryoporinum</i>	20	40	60	40				
Copepoda					40			20
<i>Coscinodiscus</i> spp.		120						
<i>Cylindrotheca closterium</i>	760	300	220	400	280	120	120	380
<i>Dictyocha speculum</i>	20	200	160				40	240
<i>Dinobryon</i> spp.							20	
<i>Dinophysis acuminata</i>		20						
<i>Dinophysis norvegica</i>	20	40	20					
<i>Ditylum brightwellii</i>	20	20						
<i>Eutimninus</i> sp.	60							140

31-May-05 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Eutreptiella</i> sp.		20	80		80	40	160	
<i>Gyrodinium</i> spp.	140	1440	400	80	40	120	680	280
<i>Heterocapsa triquetra</i>	20	80	40				100	200
<i>Laboea</i> sp.	20	300	140				20	140
<i>Leptocylindrus minimus</i>	100	60	100					40
<i>Melosira moniliformis</i>							20	
<i>Melosira nummuloides</i>					40			
<i>Membraneis challengerii</i>					40			
<i>Mesodinium rubrum</i>	480	3920	6080	80	40		3320	2500
<i>Navicula distans</i>	60			80				
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>	20			80	80			
<i>Paralia sulcata</i>	20							
Pennate diatom		40	80	360	160	160	40	80
<i>Pleurosigma</i> / <i>Gyrosigma</i>	20							
<i>Pleurosigma angulatum</i>							20	
<i>Polykrikos</i> spp.			20					
<i>Porosira glacialis</i>			20		40	80		
<i>Preperidinium meuneri</i>	40	60	160				80	40
<i>Prorocentrum minimum</i>		20						
<i>Prorocentrum</i> sp. (small)			40					
<i>Protoperidinium bipes</i>	20						20	20
<i>Protoperidinium</i> spp.	20	40		40			20	20
<i>Pseudo-nitzschia delicatissima</i> group	2980	5480	6960	1640	960	240	900	2520
<i>Ptychocylis</i> spp.								20
<i>Scrippsiella trochoidea</i>	20	120						
<i>Skeletonema costatum</i>	820	660	740		40	160		80
<i>Thalassionema nitzschioides</i>						40		
<i>Thalassiosira anguste-lineata</i>	20		40			40		
<i>Thalassiosira gravida</i>								20
<i>Thalassiosira punctigera</i>			40					
<i>Thalassiosira</i> sp. (tiny)	40							
<i>Thalassiosira</i> spp.	440	680	760	480	280	440	80	140
Tintinnida	140	1400	9120	40	40	40	11700	1140
Unarmoured dinoflagellate	40	820	740	80	80		440	300
8-Jun-05								
<i>Achnanthes</i> sp.								80
<i>Alexandrium fundyense</i>	400	280	40	40			1000	1600
<i>Alexandrium fundyense</i> (duplet)	20	20					120	
<i>Alexandrium fundyense</i> (quadruplet)	20						20	
<i>Alexandrium ostenfeldii</i>	40							
<i>Amphidinium carterae</i>	20	40		40	20			
<i>Amphidinium sphenoides</i>					20			
<i>Apedinella radians</i>							20	240
Armoured dinoflagellate	140	140	200	20			20	400
<i>Asterionellopsis glacialis</i>				20		60		
Centric diatom				100	60			
<i>Ceratium longipes</i>		40	20	20				
<i>Chaetoceros contortus</i>								160
<i>Chaetoceros convolutus</i>				20		20		
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	40	60	80	260	20		20	640
<i>Chaetoceros debilis</i>	60			20			80	800
<i>Chaetoceros decipiens</i>		20						80

8-Jun-05 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Chaetoceros similis</i>			20				20	1120
<i>Chaetoceros simplex</i>				40				1200
<i>Chaetoceros</i> spp. (Hyalochaete)	200	200	240	1300	60	60	5400	175712
<i>Commatia cryoporinum</i>	20	60		20	20	40		
<i>Coscinodiscus</i> spp.	60	40					60	
<i>Cylindrotheca closterium</i>	600	700	240	2220	920	480	200	1520
<i>Cylindrotheca gracilis</i>						40		
<i>Dactylosolen fragilissimus</i>					20			
<i>Dictyocha speculum</i>	260	320	420	40			40	560
<i>Dinobryon</i> spp.							60	
<i>Dinophysis acuminata</i>								80
<i>Dinophysis norvegica</i>		40						
<i>Ditylum brightwellii</i>				20	20	40		
<i>Eutreptiella</i> sp.	20			40			120	
<i>Grammatophora marina</i>					20			
<i>Guinardia delicatula</i>	20							
<i>Gyrodinium</i> spp.	380	720		200	40		100	
<i>Heterocapsa triquetra</i>	20	40					40	400
<i>Laboea</i> sp.	120	20	20	140				
<i>Lauderia annulata</i>						20		
<i>Leptocylindrus minimus</i>	300	200	500	100			240	6800
<i>Licmophora</i> spp.	20	20						
<i>Mediopyxis helysia</i>	20	40		20				
<i>Melosira moniliformis</i>							20	
<i>Membraneis challengerii</i>		40	20	20	20			
<i>Mesodinium rubrum</i>	3420	5040	120	400			240	720
<i>Navicula distans</i>	80			20	40	180		
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>	40			120	20			
<i>Odontella obtusa</i>				20				
<i>Paralia sulcata</i>					20	20		
Pennate diatom		140	60	340	80	200	40	
<i>Pleurosigma angulatum</i>						20	60	
<i>Porosira glacialis</i>	40	20	60					
<i>Preperidinium meuneri</i>	20		60					
<i>Protoperidinium bipes</i>		20						
<i>Protoperidinium</i> spp.		40		20				
<i>Protoperidinium steinii</i>		40						
<i>Pseudo-nitzschia delicatissima</i> group	12640	9600	8280	12920	2460	800	5760	110400
<i>Rhizosolenia hebetata</i> f. <i>semispina</i>		20	40					
<i>Salpingella</i> spp.						20		
<i>Scrippsiella</i> sp.							20	
<i>Scrippsiella trochoidea</i>	20							80
<i>Skeletonema costatum</i>	1180	860	1400	1780	440	600	760	4160
<i>Thalassiosira anguste-lineata</i>		40		80			20	
<i>Thalassiosira gravida</i>	20		20	60	60			80
<i>Thalassiosira nordenskiöldii</i>				40				
<i>Thalassiosira punctigera</i>	20	20						
<i>Thalassiosira</i> sp. (tiny)				120	120	40	20	800
<i>Thalassiosira</i> spp.	2020	960	200	1900	600	260	260	720
Tintinnida	1220	1860	200	180	60	140	940	1200
Unarmoured dinoflagellate	300	220		40	40		20	80

14-Jun-05	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Alexandrium fundyense</i>	2680	320	760		40	40	5320	4752
<i>Alexandrium fundyense</i> (duplet)	360						320	432
<i>Alexandrium fundyense</i> (quadruplet)	40						80	
<i>Alexandrium fundyense</i> (triplet)	120		40					
<i>Amphidinium carterae</i>	120		80					288
<i>Amphidinium sphenoides</i>	40			144	40			288
<i>Amylax triacantha</i>	40							
<i>Apedinella radians</i>	480	40		144				
Armoured dinoflagellate	840		280	432		120	200	1728
<i>Attheya</i> spp.								720
Centric diatom			40					
<i>Ceratium longipes</i>	40		200					144
<i>Chaetoceros concavicornis</i>					120			
<i>Chaetoceros contortus</i>								144
<i>Chaetoceros convolutus</i>						40	40	
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	200	120	240	144			160	864
<i>Chaetoceros debilis</i>	80	80					280	10224
<i>Chaetoceros decipiens</i>							80	720
<i>Chaetoceros diadema</i>				144	120	120	80	1440
<i>Chaetoceros filiformis</i>		40	40				3440	288
<i>Chaetoceros laciniosus</i>	80						80	576
<i>Chaetoceros similis</i>	40	80					440	3456
<i>Chaetoceros simplex</i>	80		80				160	288
<i>Chaetoceros socialis</i>	40	40					40	432
<i>Chaetoceros</i> spp. (Hyalochaete)	680	280	640	4176	680	120	1840	41616
<i>Chaetoceros subtilis</i>		40						
<i>Chaetoceros teres</i>								144
<i>Commation cryoporinum</i>	80				80			
Copepoda					40			
<i>Coscinodiscus</i> spp.	40					40		288
<i>Cylindrotheca closterium</i>	3840	3360	1840	7056	2480	600	680	3600
<i>Dactyliosolen fragilissimus</i>		80						
<i>Dictyocha speculum</i>	2040	280	560				40	576
<i>Dinophysis acuminata</i>								576
<i>Ditylum brightwellii</i>					40			
<i>Eucampia zodiacus</i>								288
<i>Eutreptiella</i> sp.	120	80	80				280	
<i>Gyrodinium</i> spp.	1800	120	560	720	80	80		720
<i>Helicostomella</i> spp.	40							
<i>Heterocapsa triquetra</i>	560	40	120	144			200	144
<i>Laboea</i> sp.	320	80	480	144			40	432
<i>Leptocylindrus minimus</i>	720	360	360	288	80		1200	4896
<i>Mediopyxis helysia</i>				288			40	
<i>Membraneis challengeri</i>	120	80		576	40			
<i>Mesodinium rubrum</i>	4040	400	3600	1296	80	160	960	5040
<i>Navicula distans</i>				144	40	120	40	
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>	40		80	144	120	80		
<i>Paralia sulcata</i>						40		
Pennate diatom	80	120		720	320	80		288
<i>Pleurosigma angulatum</i>		40						
<i>Porosira glacialis</i>		40	40	288				144
<i>Prorocentrum minimum</i>	280	40						144
<i>Protoperdinium bipes</i>	120		40					1152

14-Jun-05 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Protoperidinium ovatum</i>			40					
<i>Protoperidinium</i> spp.	240		80					432
<i>Pseudo-nitzschia delicatissima</i> group	32800	33120	41038	51408	14640	3720	72250	850017
<i>Ptychocylis</i> spp.	40		40			40		
<i>Scrippsiella trochoidea</i>	40						320	
<i>Skeletonema costatum</i>	200	720	800			40	6280	21423
<i>Stephanopyxis turris</i>								144
<i>Thalassiosira anguste-lineata</i>	320	400	80	720	160	40		576
<i>Thalassiosira baltica</i>					80			
<i>Thalassiosira gravida</i>	120	80			280	40	160	2304
<i>Thalassiosira nordenskiöldii</i>				432			40	864
<i>Thalassiosira punctigera</i>				144	160			
<i>Thalassiosira</i> sp. (tiny)			80	432		160	40	
<i>Thalassiosira</i> spp.	4280	4400	2480	8928	2000	1440	520	9072
Tintinnida	6240	400	2600	432	280	120	960	3744
Unarmoured dinoflagellate	1440	200	600	432	40			2016
21-Jun-05								
<i>Alexandrium fundyense</i>	3290	9720	3888				240	4624
<i>Alexandrium fundyense</i> (duplet)	350	440	144					
<i>Alexandrium fundyense</i> (triplet)	35	80						
<i>Alexandrium pseudogonyaulax</i>				144				
<i>Amphidinium carterae</i>		200						
<i>Amphidinium sphenoides</i>	80	120		288				
<i>Apedinella radians</i>	40	240	288		432			
Armoured dinoflagellate	320	1800	720	576	144		80	1734
<i>Brachionus</i> spp.				144			80	
Centric diatom	80							
<i>Ceratium fusus</i>		40						
<i>Ceratium longipes</i>	40	280		576				
<i>Chaetoceros contortus</i>			144	288	144			578
<i>Chaetoceros convolutus</i>					144			
<i>Chaetoceros convolutus</i> / <i>concoavicornis</i>							80	
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	80	80	432				240	867
<i>Chaetoceros debilis</i>	40	40	1152	1296		144	320	2601
<i>Chaetoceros decipiens</i>	40							289
<i>Chaetoceros diadema</i>			720	288	432	288	400	578
<i>Chaetoceros didymus</i>								289
<i>Chaetoceros filiformis</i>							240	
<i>Chaetoceros furcellatus</i>			144		144		80	
<i>Chaetoceros laciniatus</i>							160	578
<i>Chaetoceros similis</i>			288	144			1360	1445
<i>Chaetoceros simplex</i>								289
<i>Chaetoceros socialis</i>			432				400	578
<i>Chaetoceros</i> spp. (Hyalochaete)	160	40	2016	1728	720	576	5680	11560
<i>Chaetoceros teres</i>				432				
<i>Chrysochromulina parkeae</i>			144					289
<i>Commation cryoporinum</i>	40	80						
Copepoda		40						
<i>Corethron hystrix</i>	40		144					
<i>Coscinodiscus</i> spp.		40						
<i>Cylindrotheca closterium</i>	1480	800	720	1440	864	2160	240	289
<i>Dactyliosolen fragilissimus</i>	40							578

21-Jun-05 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Dictyocha speculum</i>	360	480	144	144	576	144		289
<i>Dinobryon</i> spp.			144				160	
<i>Dinophysis acuminata</i>		80						289
<i>Dinophysis norvegica</i>	160	320	144					
<i>Dinophysis</i> spp.		40						
<i>Ditylum brightwellii</i>				288	144	432	80	
<i>Eucampia zodiacus</i>	40		144					
<i>Eutreptiella</i> sp.	80	160	144				720	578
<i>Gyrodinium</i> spp.	360	1920	576	288	288	144	80	578
<i>Heterocapsa triquetra</i>	280	1920	144				80	289
<i>Laboea</i> sp.	160	120	432	288			160	
<i>Leptocylindrus minimus</i>	600	120	5184	3168	1296	432	3840	16184
<i>Mediopyxis helysia</i>	40					144		
<i>Membraneis challengeri</i>	520	200	288	288	576	432		
<i>Mesodinium rubrum</i>	2080	5000	3312	288			2080	3757
<i>Navicula distans</i>	120				144			
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>	40							
Pennate diatom					432			578
<i>Pleurosigma angulatum</i>							80	
<i>Porosira glacialis</i>		40		864			160	578
<i>Protoperidinium bipes</i>		80	144	288			80	2023
<i>Protoperidinium depressum</i>	40	40						
<i>Protoperidinium ovatum</i>		40						
<i>Protoperidinium</i> spp.	40	360		144	288			
<i>Pseudo-nitzschia delicatissima</i> group	41327	1880	228888	263568	104618	52848	216750	1275040
<i>Ptychocylis</i> spp.								289
<i>Rhizosolenia hebetata</i> f. <i>semispina</i>		40				288		
<i>Rhizosolenia setigera</i>			144					
<i>Scrippsiella</i> sp.	200							
<i>Scrippsiella trochoidea</i>		600			144			
<i>Skeletonema costatum</i>	360		12096		144		11520	69360
<i>Thalassiosira anguste-lineata</i>	40	40	288					578
<i>Thalassiosira baltica</i>					144			
<i>Thalassiosira gravida</i>	40			144	288	144	240	1156
<i>Thalassiosira nordenskiöldii</i>			144	288	288			867
<i>Thalassiosira punctigera</i>		40			288	144		
<i>Thalassiosira</i> sp. (tiny)			144	144		144		1445
<i>Thalassiosira</i> spp.	840	400	2448	3168	2448	1440	1360	6358
Tintinnida	1240	2560	1152	576	288		640	1734
Unarmoured dinoflagellate	320	3000	288	432	864		160	2023
28-Jun-05								
<i>Alexandrium fundyense</i>	4720	23120	6800				2320	5600
<i>Alexandrium fundyense</i> (duplet)	360	1680	480				160	480
<i>Alexandrium fundyense</i> (planozygote)			40					80
<i>Alexandrium fundyense</i> (quadruplet)	40	80						
<i>Alexandrium fundyense</i> (triplet)		240	40					
<i>Amphidinium carterae</i>			80		70			
<i>Amphidinium sphenoides</i>			80	144	70		160	320
<i>Apedinella radians</i>	40	280	80					160
Armoured dinoflagellate		520	160	1584			640	1600
<i>Asterionellopsis glacialis</i>	40							160
<i>Attheya</i> spp.	40							

28-Jun-05 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Centric diatom			40		70			
<i>Ceratium longipes</i>		120	120		70			
<i>Chaetoceros atlanticus</i>		40						
<i>Chaetoceros contortus</i>	360	40	40	288		240	800	7680
<i>Chaetoceros convolutus / concavicornis</i>				144	210	40		
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	40	80	80				1600	
<i>Chaetoceros debilis</i>	1000	240	120	432	420	40	2080	2560
<i>Chaetoceros decipiens</i>	40	120	80		210		160	
<i>Chaetoceros didymus</i>								160
<i>Chaetoceros filiformis</i>							320	
<i>Chaetoceros furcellatus</i>						80	480	
<i>Chaetoceros laciniosus</i>	160	40						480
<i>Chaetoceros pseudobrevis</i>	40				70			
<i>Chaetoceros pseudocrinitus</i>							320	
<i>Chaetoceros radicans</i>	160							
<i>Chaetoceros similis</i>	240	40					800	640
<i>Chaetoceros simplex</i>	40							
<i>Chaetoceros socialis</i>	280	120	640				3520	
<i>Chaetoceros</i> spp. (<i>Hyalochaete</i>)	1120	480	360	2160	1260	840	4480	8160
<i>Chaetoceros subtilis</i>		40						
<i>Chaetoceros teres</i>							160	
<i>Chrysochromulina parkeae</i>	80		120				320	1120
<i>Commatia cryoporinum</i>		40		288	140	40		
Copepoda		40						
<i>Coscinodiscus</i> spp.	40	40	80					
<i>Cylindrotheca closterium</i>	4040	1560	1520	7200	5880	1000	1440	480
<i>Dactylosolen fragilissimus</i>	320	400	600	432	70		160	480
<i>Dictyocha speculum</i>	400	80	200	720	70			160
<i>Dinophysis acuminata</i>	40	40	240					160
<i>Dinophysis norvegica</i>		120	120					
<i>Ditylum brightwellii</i>	120					40		
<i>Ebria tripartita</i>							160	1120
<i>Encampia zodiacus</i>	120	40	200	288			480	640
<i>Eutreptiella</i> sp.	440	18200	1440	144		120	1280	800
<i>Guinardia delicatula</i>			40		70		160	
<i>Gyrodinium</i> spp.		600	400	144	350	80		
<i>Gyrosigma tenuissimum</i>					70			
<i>Helicostomella</i> spp.	40	40	40					1120
<i>Heterocapsa triquetra</i>	200	840	680				800	800
<i>Laboea</i> sp.		40	120				320	
<i>Lemnoxia faveolata</i>				144				
<i>Leptocylindrus danicus</i>							160	320
<i>Leptocylindrus minimus</i>	3840	440	320	2304	2940	480	24480	48480
<i>Licmophora</i> spp.		40						
<i>Mediopyxis helysia</i>						120		
<i>Membraneis challengerii</i>	680	920	3280	2448	1190	320	160	
<i>Mesodinium rubrum</i>	2320	880	1680	576	140	80	6080	6240
<i>Micracanthodinium claytonii</i>						120		
<i>Navicula distans</i>				288				
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>					70	120		
<i>Parafavella</i> spp.							160	
Pennate diatom	40	40		432	280	40	640	640

28-Jun-05 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Pleurosigma angulatum</i>							160	160
<i>Porosira glacialis</i>	80	80		144				
<i>Prorocentrum minimum</i>			40					
<i>Prorocentrum</i> sp. (small)	80						320	
<i>Protoperidinium bipes</i>	200		80	288	70	40	160	
<i>Protoperidinium depressum</i>								160
<i>Protoperidinium</i> spp.	80	240	40					320
<i>Protoperidinium steinii</i>			160					
<i>Pseudo-nitzschia delicatissima</i> group	5080	360	280	6048	17500	12480	29920	1600
<i>Ptychocylis</i> spp.			40					
<i>Rhizosolenia hebetata</i> f. <i>semispina</i>						40		
<i>Scrippsiella</i> sp.		120						
<i>Scrippsiella trochoidea</i>	80	680	400					160
<i>Skeletonema costatum</i>	1200	120	40		350	120	16000	7040
<i>Thalassiosira anguste-lineata</i>	280	640	200	144	280	80		
<i>Thalassiosira gravida</i>	520	240		1296	350	240	960	480
<i>Thalassiosira nordenskiöldii</i>	280	40		144		80	320	640
<i>Thalassiosira punctigera</i>						40		
<i>Thalassiosira</i> sp. (tiny)					70			
<i>Thalassiosira</i> spp.	1000	480	400	4320	4550	1720	2240	1920
Tintinnida	1040	600	520	288	700	40	160	640
Unarmoured dinoflagellate	120	320	480	288				800
5-Jul-05								
<i>Alexandrium fundyense</i>	20960	41904	9080	9072	432		720	13920
<i>Alexandrium fundyense</i> (duplet)	1120	2592	320	576			144	640
<i>Alexandrium fundyense</i> (planozygote)								160
<i>Alexandrium fundyense</i> (quadruplet)	160		40					
<i>Alexandrium fundyense</i> (triplet)	160	288	40					320
<i>Alexandrium ostenfeldii</i>				144				
<i>Amphidinium sphenoides</i>			80		144	70		160
<i>Amylax triacantha</i>	160							
<i>Apedinella radians</i>		144	40				144	
Armoured dinoflagellate	1600	2448	480	1872	432	70		1920
<i>Asterionellopsis glacialis</i>	160							
<i>Attheya</i> spp.							1728	
<i>Brachionus</i> spp.			40	288				
<i>Ceratium longipes</i>	160	576	240	144				
<i>Chaetoceros contortus</i>	160			432	864	420	1728	8320
<i>Chaetoceros convolutus</i>			40					
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>							144	
<i>Chaetoceros debilis</i>	800			288	432		3744	4000
<i>Chaetoceros decipiens</i>						210		160
<i>Chaetoceros didymus</i>							144	
<i>Chaetoceros filiformis</i>							720	
<i>Chaetoceros furcellatus</i>					144			160
<i>Chaetoceros laciniatus</i>							1296	
<i>Chaetoceros pseudobrevis</i>				144	144			
<i>Chaetoceros radicans</i>	160						576	
<i>Chaetoceros similis</i>							576	800
<i>Chaetoceros simplex</i>			40					
<i>Chaetoceros socialis</i>	4640	432	160				8064	10240
<i>Chaetoceros</i> spp. (Hyalochaete)	480	288	120	1728	2592	1400	1584	13120

5-Jul-05 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Chaetoceros</i> spp. (Phaeoceros)			40					
<i>Chaetoceros teres</i>	160							320
<i>Chrysochromulina parkeae</i>		144	80				144	
<i>Comnatum cryoporinum</i>	160		80			70		
Copepoda	160							
<i>Coscinodiscus</i> spp.	320	720	40					
<i>Cylindrotheca closterium</i>	7040	1872	2640	6048	3024	630	2448	1760
<i>Dactyliosolen fragilissimus</i>	960	1296	440	144	288	280	144	800
<i>Dictyocha speculum</i>	320	432	480	288	144			
<i>Dinobryon</i> spp.	160		80				144	160
<i>Dinophysis acuminata</i>	320		160	432				
<i>Dinophysis acuta</i>				144				
<i>Dinophysis norvegica</i>	320		280					
<i>Dinophysis pulchella</i>								160
<i>Ditylum brightwellii</i>				144				160
<i>Ebria tripartita</i>	320	288	40		144		432	640
<i>Eucampia zodiacus</i>	320			288	288	70	288	320
<i>Eutreptiella</i> sp.	7360	30345	6480	5760	432		144	1120
<i>Favella</i> spp.								320
<i>Guinardia delicatula</i>			120					
<i>Gyrodinium</i> spp.	320	576	240	144	576			
<i>Helicostomella</i> spp.	800	576	80	720			144	1600
<i>Heterocapsa triquetra</i>	2720	11664	4200	5760				4320
<i>Laboea</i> sp.	320	144	120	144	144			
<i>Lennoxia faveolata</i>				144				
<i>Leptocylindrus minimus</i>	480	576	40	432	288		3456	1920
<i>Mediopyxis helysia</i>							288	
<i>Membraneis challengeri</i>	7680	4896	6680	16704	5328	630	288	160
<i>Mesodinium rubrum</i>	10880	7200	3960	5184	864	210	864	5760
<i>Micracanthodinium claytonii</i>						140		
<i>Navicula distans</i>				144	144	70	144	
<i>Parafavella</i> spp.				288				
<i>Paralia sulcata</i>					144			
Pennate diatom				288	288	140	720	1280
<i>Porosira glacialis</i>	160		160	576			288	
<i>Prorocentrum minimum</i>	320			144	144			320
<i>Prorocentrum</i> sp. (small)				144	144			
<i>Protoperidinium bipes</i>	160		80	144	144	140		160
<i>Protoperidinium brevipes</i>	160			288				
<i>Protoperidinium</i> spp.	480	288	200					640
<i>Pseudo-nitzschia delicatissima</i> group	20320	2592	800	5184	52848	26125	31790	21760
<i>Pseudo-nitzschia seriata</i> group			160	144				
<i>Ptychocylis</i> spp.				144				
<i>Rhizosolenia hebetata</i> f. <i>semispina</i>			40		144			
<i>Scrippsiella</i> sp.	160	2448	400				144	640
<i>Scrippsiella trochoidea</i>	160	5472	1120	1152				480
<i>Skeletonema costatum</i>	480					280	74562	36480
<i>Thalassiosira anguste-lineata</i>	160	144					288	
<i>Thalassiosira gravis</i>	320			720	1008	70	1008	960
<i>Thalassiosira nordenskiöldii</i>							144	
<i>Thalassiosira</i> sp. (tiny)							720	960
<i>Thalassiosira</i> spp.	1600	288		2592	7488	3500	3888	3040

5-Jul-05 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Tintinnida	1760	1872	960	4176	432	140	864	1600
Unarmoured dinoflagellate	1280	1008	400	1440	720			1440
12-Jul-05								
<i>Alexandrium fundyense</i>	52480	23120	1960	7035		40	160	46560
<i>Alexandrium fundyense</i> (duplet)	3200	1760	40	770				1360
<i>Alexandrium fundyense</i> (fusing)								80
<i>Alexandrium fundyense</i> (quadruplet)	320	160		105				
<i>Alexandrium fundyense</i> (triplet)	1120	160		70				
<i>Alexandrium ostenfeldii</i>		80						
<i>Amphidinium carterae</i>		80		140	40			
<i>Amphidinium sphenoides</i>		80			40			
<i>Amylax triacantha</i>							80	
<i>Apedinella radians</i>	160	160	100					
Armoured dinoflagellate	2080	400	260	455	80	120		1680
<i>Asterionellopsis glacialis</i>						40	240	
<i>Attheya</i> spp.							2080	
<i>Brachionus</i> spp.			20			40		80
Centric diatom	160		60					
<i>Cerataulina pelagica</i>								80
<i>Ceratium longipes</i>	960	560	380	385		40		160
<i>Chaetoceros contortus</i>							1520	7360
<i>Chaetoceros convolutus</i>					40		80	80
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>							160	
<i>Chaetoceros debilis</i>	320						1600	80
<i>Chaetoceros decipiens</i>							240	
<i>Chaetoceros didymus</i>						80	80	80
<i>Chaetoceros filiformis</i>							80	
<i>Chaetoceros lacinosus</i>							480	
<i>Chaetoceros lorenzianus</i>							80	80
<i>Chaetoceros pseudobrevis</i>					40			
<i>Chaetoceros radicans</i>							320	
<i>Chaetoceros similis</i>							800	160
<i>Chaetoceros simplex</i>							400	
<i>Chaetoceros socialis</i>	1600	80					9840	640
<i>Chaetoceros</i> spp. (Hyalochaete)					440	1080	4400	2560
<i>Chaetoceros teres</i>								80
<i>Chrysochromulina parkeae</i>							320	320
<i>Commation cryoporinum</i>				35	40			
Copepoda	320			35				
<i>Coscinodiscus</i> spp.			180	140	200	40		
<i>Cylindrotheca closterium</i>	1920	1920	700	1400	1320	280	5920	720
<i>Dactyliosolen fragilissimus</i>				175	40	40	160	320
<i>Dictyocha speculum</i>	1120	400	220	455			160	80
<i>Dinobryon</i> spp.	160				40			480
<i>Dinophysis acuminata</i>	1920	960	20	420				80
<i>Dinophysis norvegica</i>	480	240		70				
<i>Dinophysis pulchella</i>			20					240
<i>Ditylum brightwellii</i>						40	160	
<i>Ebria tripartita</i>				35			320	80
<i>Eucampia zodiacus</i>				35	40	120	160	160
<i>Eutreptiella</i> sp.	1280	800	1480	700	40		560	960
<i>Favella</i> spp.		160						160

12-Jul-05 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Gonyaulax spinifera</i>	160							
<i>Guinardia delicatula</i>	160						80	
<i>Gyrodinium</i> spp.	640	240	120	280	80	80		
<i>Helicostomella</i> spp.	320	1120	60				80	1600
<i>Heterocapsa triquetra</i>	9600	7280	300	665				6480
<i>Laboea</i> sp.	480		100	70				
<i>Leptocylindrus danicus</i>				35			240	800
<i>Leptocylindrus minimus</i>				105			400	
<i>Membraneis challengerii</i>	17920	20320	9040	49419	18000	5520	80	
<i>Mesodinium rubrum</i>	10080	6400	20	1190	280	360	1920	4000
<i>Micracanthodinium claytonii</i>					40	40		
<i>Navicula distans</i>		80			120	40		
<i>Parafavella</i> spp.	160	80						
Pennate diatom							160	
<i>Polykrikos</i> spp.	320	160						80
<i>Porosira glacialis</i>					40			
<i>Prorocentrum minimum</i>	960	320	140	280		40	160	80
<i>Prorocentrum</i> sp. (small)			40				160	80
<i>Protoperidinium bipes</i>				35				
<i>Protoperidinium brevipes</i>								80
<i>Protoperidinium</i> spp.			60	70				80
<i>Protoperidinium steinii</i>		80		140				
<i>Pseudo-nitzschia delicatissima</i> group	1280	320	100	210	1360	1520	2320	960
<i>Pseudo-nitzschia seriata</i> group							160	
<i>Ptychocylis</i> spp.			20					
<i>Rhizosolenia hebetata</i> f. <i>semispina</i>		160			80			
<i>Scrippsiella</i> sp.	2240	640	120	385				1920
<i>Scrippsiella trochoidea</i>	2080	400	1780	385				1280
<i>Skeletonema costatum</i>			20				38080	240
<i>Thalassionema nitzschioides</i>						40		
<i>Thalassiosira anguste-lineata</i>							80	
<i>Thalassiosira gravida</i>					160	120	320	
<i>Thalassiosira nordenskiöldii</i>	160							
<i>Thalassiosira</i> sp. (tiny)							160	
<i>Thalassiosira</i> spp.	160				440	800	1520	
Tintinnida	1440	2000	220	1120	440	200	480	3280
Unarmoured dinoflagellate	1760	1360	460	525	320	40	240	1440
19-Jul-05								
<i>Alexandrium fundyense</i>	5120	11200	10240	1890		200	160	630
<i>Alexandrium fundyense</i> (duplet)	80	80	40					
<i>Alexandrium fundyense</i> (planozygote)	2080	4480	4000	189		80		
<i>Amphidinium carterae</i>	160		40	63				
Armoured dinoflagellate	80	2400	400	630	288	80	480	1701
<i>Asterionellopsis glacialis</i>						40	160	189
<i>Brachionus</i> spp.		640	40	63				
<i>Cerataulina pelagica</i>			120				320	
<i>Ceratium furca</i>	80							
<i>Ceratium fusus</i>		160						
<i>Ceratium horridum</i>				252				315
<i>Ceratium lineatum</i>			40	126				
<i>Ceratium longipes</i>	320	320	480	756				378
<i>Chaetoceros contortus</i>						200	960	378

19-Jul-05 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Chaetoceros convolutus / concavicomis</i>						80		
<i>Chaetoceros debilis</i>								63
<i>Chaetoceros decipiens</i>								504
<i>Chaetoceros didymus</i>						200		63
<i>Chaetoceros furcellatus</i>							160	
<i>Chaetoceros lacinosus</i>							320	504
<i>Chaetoceros radicans</i>							320	252
<i>Chaetoceros similis</i>							160	504
<i>Chaetoceros simplex</i>							480	252
<i>Chaetoceros socialis</i>						120	20640	8316
<i>Chaetoceros</i> spp. (Hyalochaete)					144	480	3520	2583
<i>Chrysochromulina parkeae</i>			120	126			160	63
<i>Commation cryoporinum</i>					144			
Copepoda			200	126			320	
<i>Coscinodiscus</i> spp.	240		200		288	40		
<i>Cylindrotheca closterium</i>	640		120	252	720	400	2080	2268
<i>Dactyliosolen fragilissimus</i>	80					80	480	126
<i>Dictyocha speculum</i>	240	800		189		40	160	441
<i>Dinophysis acuminata</i>	320	160	400	126			160	945
<i>Dinophysis acuta</i>		160						63
<i>Dinophysis norvegica</i>	240	160	520	189				504
<i>Dinophysis</i> spp.				63				
<i>Ditylum brightwellii</i>								63
<i>Ebria tripartita</i>	80		40				320	693
<i>Eucampia zodiacus</i>							160	126
<i>Eutreptiella</i> sp.	80	160	160	378			1280	1071
<i>Favella</i> spp.	80	800	240					63
<i>Gonyaulax spinifera</i>	160	320	200					
<i>Guinardia delicatula</i>	160						800	882
<i>Gyrodinium</i> spp.		320	40	252			160	252
<i>Helicostomella</i> spp.	1760	6720	5600				960	5481
<i>Heterocapsa triquetra</i>	1920	7680	2200	1764			960	1323
<i>Laboea</i> sp.	240	320	80	378				
<i>Leptocylindrus danicus</i>							160	441
<i>Leptocylindrus minimus</i>							480	126
<i>Melosira nummuloides</i>						40		
<i>Membraneis challengerii</i>	38400	2080	4280	12720	55872	7120	960	2898
<i>Mesodinium rubrum</i>	19040	26720	11880	1638	144	160	60320	34969
<i>Navicula distans</i>						120		
Pennate diatom						120		
<i>Polykrikos</i> spp.	80	160		126				63
<i>Prorocentrum minimum</i>				630			160	1386
<i>Prorocentrum</i> sp. (small)								126
<i>Protoperidinium bipes</i>								63
<i>Protoperidinium brevipes</i>			280	63				252
<i>Protoperidinium conicum</i>					144			
<i>Protoperidinium depressum</i>								63
<i>Protoperidinium</i> spp.	640		240	126	720			252
<i>Protoperidinium steinii</i>				441				
<i>Pseudo-nitzschia delicatissima</i> group	400	320			144	1360	480	819
<i>Pseudo-nitzschia seriata</i> group	80	160						
<i>Scrippsiella</i> sp.	560	4000	400	378			160	819

19-Jul-05 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Scrippsiella trochoidea</i>	400	1120	520	252		40		
<i>Skeletonema costatum</i>							960	567
<i>Thalassiosira gravida</i>						40		
<i>Thalassiosira</i> spp.					144		480	
Tintinnida	1280	320	880	2520	288	80	1280	2331
Unarmoured dinoflagellate	80	320	40	378		80	160	756
26-Jul-05								
<i>Alexandrium fundyense</i>	160	1740	3366	1120	144			245
<i>Alexandrium fundyense</i> (duplet)		20	204	80				
<i>Alexandrium fundyense</i> (planozygote)	40	480	816					35
<i>Amphidinium carterae</i>			51	80				
<i>Amylax triacantha</i>	40							
<i>Apedinella radians</i>	40							
Armoured dinoflagellate	120	380	510	640	576	144	200	490
<i>Asterionellopsis glacialis</i>							160	
<i>Aulacoseira ambigua</i>								35
Centric diatom				80				
<i>Cerataulina pelagica</i>	80							
<i>Ceratium fusus</i>							40	
<i>Ceratium horridum</i>	80							105
<i>Ceratium longipes</i>	120	40	816	240	432			140
<i>Chaetoceros contortus</i>							200	
<i>Chaetoceros convolutus</i>								35
<i>Chaetoceros debilis</i>								105
<i>Chaetoceros decipiens</i>							40	35
<i>Chaetoceros didymus</i>								105
<i>Chaetoceros radicans</i>						144	120	
<i>Chaetoceros simplex</i>							120	
<i>Chaetoceros socialis</i>							27080	2975
<i>Chaetoceros</i> spp. (Hyalochaete)	40					144	600	245
<i>Chrysochromulina parkeae</i>		20		80				
<i>Commation cryoporinum</i>				80	144	144		
Copepoda	80	20					80	105
<i>Cylindrotheca closterium</i>	1000	120	918	480	144	432	480	70
<i>Cylindrotheca gracilis</i>	40							
<i>Dactyliosolen fragilissimus</i>			102	240			40	
<i>Dictyocha speculum</i>	80	20	459	640	432		40	210
<i>Dinophysis acuminata</i>	240		51	160	288		80	210
<i>Dinophysis norvegica</i>	40	40	204					210
<i>Dinophysis rotundata</i>								35
<i>Dinophysis</i> spp.		20	51					
<i>Ditylum brightwellii</i>			51					
<i>Ebria tripartita</i>	40	20						175
<i>Eucampia zodiacus</i>							80	35
<i>Eutreptiella</i> sp.	400	1760	255	560			360	245
<i>Favella</i> spp.								35
<i>Gonyaulax digitale</i>		80						
<i>Gonyaulax spinifera</i>		40	51					
<i>Guinardia delicatula</i>			255	80			240	385
<i>Gyrodinium</i> spp.			102	80			240	
<i>Helicostomella</i> spp.	200	200	51				200	1400
<i>Heterocapsa triquetra</i>	560	220	2295	2800	288			420

26-Jul-05 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Laboea</i> sp.	120	20		480				
<i>Leptocylindrus danicus</i>							80	
<i>Leptocylindrus mediterraneus</i>				160				
<i>Leptocylindrus minimus</i>		20	102				280	105
<i>Licmophora</i> spp.							40	
<i>Mediopyxis helysia</i>							40	
<i>Membraneis challengerii</i>	24920	860	6237	18640	60624	48552	4160	5425
<i>Mesodinium rubrum</i>	4920	1620	12080	3040	1296		1360	40749
<i>Navicula distans</i>	120	20						
<i>Pleurosigma</i> / <i>Gyrosigma</i>		20						
<i>Proocentrum minimum</i>	120	20	306	160			120	
<i>Protoperidinium brevipes</i>		40						
<i>Protoperidinium depressum</i>	40	20				144		
<i>Protoperidinium</i> spp.	80	40	102	160	144			35
<i>Pseudo-nitzschia delicatissima</i> group	160	40	51	160	288	432	560	140
<i>Pseudo-nitzschia seriata</i> group				160	144			
<i>Scrippsiella</i> sp.	240	380	255	240				350
<i>Scrippsiella trochoidea</i>		60	306	80				35
<i>Skeletonema costatum</i>	40						360	
<i>Thalassiosira</i> spp.		20						
Tintinnida	760	1380	1632	1760	1152		1080	700
Unarmoured dinoflagellate	200	100	510	640	576	288		70
2-Aug-05								
<i>Alexandrium fundyense</i>	378	2080	520	160			144	200
<i>Alexandrium fundyense</i> (duplet)		160						
<i>Alexandrium fundyense</i> (planozygote)	63	880	120					
<i>Amphidinium carterae</i>				160		40	144	40
<i>Amylax triacantha</i>	63							
<i>Apedinella radians</i>	63		40					40
Armoured dinoflagellate	3024	8800	1240	960		120		1640
<i>Asterionellopsis glacialis</i>							288	
<i>Brachionus</i> spp.			40					
<i>Cerataulina pelagica</i>				80		40	144	200
<i>Ceratium longipes</i>	126	80	40	160				
<i>Chaetoceros contortus</i>							288	160
<i>Chaetoceros didymus</i>							144	
<i>Chaetoceros filiformis</i>								40
<i>Chaetoceros laciniosus</i>							144	80
<i>Chaetoceros simplex</i>							144	40
<i>Chaetoceros socialis</i>							115600	10200
<i>Chaetoceros</i> spp. (Hyalochaete)							864	400
<i>Chrysochromulina parkeae</i>		160	40					40
<i>Commation cryoporinum</i>	126			80	160			
Copepoda		160	40		40			
<i>Cylindrotheca closterium</i>	567	160	200	160	80	160	720	120
<i>Dactyliosolen fragilissimus</i>					80	40		120
<i>Dictyocha speculum</i>		320	80	480			288	240
<i>Dinophysis acuminata</i>	315	160	240	240		40		200
<i>Dinophysis norvegica</i>		80	200	80	40			
<i>Ebria tripartita</i>			40				144	640
<i>Eucampia zodiacus</i>								40
<i>Eutreptiella</i> sp.	252	880	560	320			288	720

2-Aug-05 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Gonyaulax digitale</i>		80						
<i>Gonyaulax spinifera</i>	63	320	40	80				80
<i>Guinardia delicatula</i>			80		80	80	2448	2160
<i>Gyrodinium</i> spp.			120	320				
<i>Helicostomella</i> spp.		880	360				144	160
<i>Heterocapsa triquetra</i>	2457	30080	3440	160				280
<i>Laboea</i> sp.	63	320		720			144	
<i>Leptocylindrus minimus</i>	63						1728	960
<i>Melosira nummuloides</i>						40		
<i>Membraneis challengeri</i>	18025	320	3400	21440	32657	26600	4320	760
<i>Mesodinium rubrum</i>	10080	4400	2080	1200	280	200	2880	7440
<i>Micrucanthodinium claytonii</i>						40		
<i>Navicula distans</i>						40		
<i>Parafavella</i> spp.				80				
Pennate diatom					40	40		
<i>Pleurosigma</i> / <i>Gyrosigma</i>		160						
<i>Prorocentrum minimum</i>	63	320		160		40		40
<i>Protoperidinium brevipes</i>	126	240	120		40			
<i>Protoperidinium depressum</i>				80		40		
<i>Protoperidinium</i> spp.	63	240	40	80	120			80
<i>Protoperidinium steinii</i>						80		
<i>Pseudo-nitzschia delicatissima</i> group	126					80	288	120
<i>Pseudo-nitzschia seriata</i> group					40			
<i>Scrippsiella</i> sp.	1575	5360			40			720
<i>Scrippsiella trochoidea</i>			1200					160
Tintinnida	5481	3760	1560	1360	960	520	3168	11360
Unarmoured dinoflagellate	504	720	1160	240	280	40		240
9-Aug-05								
<i>Alexandrium fundyense</i>	80	40	960					80
<i>Alexandrium fundyense</i> (duplet)			80					
<i>Amphidinium carterae</i>		20		40	102			
<i>Amphidinium sphenoides</i>				40				
<i>Amylax triacantha</i>				40				
<i>Apedinella radians</i>		20		160	51			
Armoured dinoflagellate	2600	1840	7360	800	918	200	160	1280
<i>Asterionellopsis glacialis</i>							160	
<i>Attheya</i> spp.							80	
<i>Aulacoseira ambigua</i>					51			
<i>Brachionus</i> spp.		20		80				
<i>Calliacantha</i> sp.				80				
Centric diatom		20						
<i>Cerataulina pelagica</i>	40				102		1000	400
<i>Ceratium fusus</i>				80				
<i>Ceratium horridum</i>		60						
<i>Ceratium lineatum</i>		80			51			
<i>Ceratium longipes</i>	40	260	280	440	357	40	40	
<i>Ceratium</i> spp.					102			
<i>Ceratium tripos</i>					51			
<i>Chaetoceros contortus</i>							320	800
<i>Chaetoceros debilis</i>							320	
<i>Chaetoceros didymus</i>							160	240
<i>Chaetoceros laciniosus</i>							160	80

9-Aug-05 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Chaetoceros radicans</i>							40	
<i>Chaetoceros similis</i>								80
<i>Chaetoceros socialis</i>		20		400		40	90168	26560
<i>Chaetoceros</i> spp. (Hyalochaete)			80		102		1840	240
<i>Chrysochromulina parkeae</i>			40	40				
<i>Commation cryoporinum</i>				80	51			
Copepoda	40	220	120	80				160
<i>Coscinodiscus</i> spp.	40				51	80	40	160
<i>Cylindrotheca closterium</i>	1440	1520	2120	1400	969	40	640	320
<i>Dactyliosolen fragilissimus</i>				40	102		280	
<i>Dictyocha speculum</i>	120	180	200	320	255	40	120	240
<i>Dinobryon</i> spp.			40					
<i>Dinophysis acuminata</i>	120	360	160	920	612			400
<i>Dinophysis dens</i>				80				
<i>Dinophysis norvegica</i>	40	180	160	80	204		40	
<i>Dinophysis rotundata</i>				40				
<i>Ebria tripartita</i>		20	40	40			120	720
<i>Eucampia zodiacus</i>							40	
<i>Eutreptiella</i> sp.	800	120	320	240	459		320	480
<i>Gonyaulax digitale</i>	120	20	160					80
<i>Gonyaulax spinifera</i>	160	40	520					80
<i>Guinardia delicatula</i>			40	120	102	80	5720	1840
<i>Gyrodinium</i> spp.	40	100	120	320	153	80	80	80
<i>Helicostomella</i> spp.	80	720	400	40			40	1440
<i>Heterocapsa triquetra</i>	2040	1660	9320	400	357			1600
<i>Laboea</i> sp.	40	100		440	306			
<i>Lennoxia faveolata</i>				200	153			
<i>Leptocylindrus minimus</i>	280	100	800	560	510		2000	320
<i>Membraneis challengerii</i>	120	700	520	1680	2703	9840	160	
<i>Mesodinium rubrum</i>	2400	1120	6360	2880	2193	40	2800	20000
<i>Navicula distans</i>	80							
<i>Parafavella</i> spp.						40		
Pennate diatom		20	80			40	80	
<i>Polykrikos</i> spp.				40				
<i>Prorocentrum minimum</i>	80	60	240	120	357			
<i>Prorocentrum</i> sp. (small)	40	40	200					
<i>Proto-peridinium brevipes</i>		60	200		102	40		
<i>Proto-peridinium depressum</i>	40	100		240	255			
<i>Proto-peridinium excentricum</i>		20						
<i>Proto-peridinium</i> spp.	40	60	120	120	153	200		160
<i>Proto-peridinium steinii</i>		200			255			
<i>Pseudo-nitzschia americana</i>							120	
<i>Pseudo-nitzschia delicatissima</i> group	200	340	520	120	459	40	120	
<i>Pseudo-nitzschia seriata</i> group	320	240	160	600	357		80	
<i>Scrippsiella</i> sp.	560	540	3000	40	255			320
<i>Scrippsiella trochoidea</i>	40	120	920	40				80
<i>Skeletonema costatum</i>							240	
<i>Thalassionema nitzschioides</i>							80	
<i>Thalassiosira</i> spp.			40					
Tintinnida	1360	1280	720	3920	2856	1200	1360	7920
<i>Tintinnopsis</i> spp.								80
Unarmoured dinoflagellate		520	800	1240	1428	1200		160

16-Aug-05	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Alexandrium fundyense</i>	400	160	320				160	
<i>Alexandrium fundyense</i> (planozygote)			320					
<i>Amphidinium carterae</i>	80				40		80	
<i>Apedinella radians</i>				8352				
Armoured dinoflagellate	9920	8320	33280	3744	80	40	3520	8960
<i>Calliacantha</i> sp.				288				
<i>Cerataulina pelagica</i>						40	1520	320
<i>Ceratium fusus</i>	80							160
<i>Ceratium lineatum</i>	160			288			80	
<i>Ceratium longipes</i>	320			1728			160	480
<i>Ceratium tripos</i>				144			80	
<i>Chaetoceros contortus</i>							160	160
<i>Chaetoceros debilis</i>						40		
<i>Chaetoceros decipiens</i>		80		144		40	80	
<i>Chaetoceros lorenzianus</i>								320
<i>Chaetoceros simplex</i>		240					560	480
<i>Chaetoceros socialis</i>	480		480			40	12880	320
<i>Chaetoceros</i> spp. (Hyalochaete)			160	144	160	120	2320	12000
<i>Chrysochromulina parkeae</i>			640					
<i>Commation cryoporinum</i>					40	40		
Copepoda			160				80	320
<i>Cylindrotheca closterium</i>	8320	5200	9120	16560	4040	120	960	960
<i>Dactyliosolen fragilissimus</i>								480
<i>Dictyocha speculum</i>	560	240	480	864	160		80	320
<i>Dinophysis acuminata</i>	1200		160	1008			160	480
<i>Dinophysis norvegica</i>	480			288			80	
<i>Ebria tripartita</i>	80			288	40		320	3200
<i>Eutreptiella</i> sp.	5200	49760	640	1728	40		240	1920
<i>Gonyaulax digitale</i>	80							
<i>Gonyaulax spinifera</i>	400	400	1760				160	640
<i>Guinardia delicatula</i>	80				40	80	8320	5280
<i>Gyrodinium</i> spp.	640		800	144	40		240	320
<i>Helicostomella</i> spp.	560	160	160			40	160	160
<i>Heterocapsa triquetra</i>	7360	3600	18080	864			720	7040
<i>Laboea</i> sp.	1520	240	160	432			240	
<i>Lennoxia faveolata</i>				42336	400			
<i>Leptocylindrus danicus</i>							160	960
<i>Leptocylindrus minimus</i>	240	160	800	1440	80		880	
<i>Licmophora</i> spp.		240						
<i>Mesodinium rubrum</i>	24320	160	1120	4032	80	200	12800	16320
<i>Micracanthodinium claytonii</i>						40		
<i>Navicula distans</i>					40		80	
<i>Notholca</i> spp.		80						
Pennate diatom		80	480			80		
<i>Prorocentrum minimum</i>	160	320	160					480
<i>Prorocentrum</i> sp. (small)		80	320					
<i>Protoperidinium bipes</i>	80			144				
<i>Protoperidinium brevipes</i>	160	80	320	144				
<i>Protoperidinium depressum</i>	80				120	40		
<i>Protoperidinium</i> spp.							80	
<i>Protoperidinium steinii</i>	400	80	160	144		80		
<i>Pseudo-nitzschia americana</i>							480	
<i>Pseudo-nitzschia delicatissima</i> group	1520	880	640	1584	1160	80	80	160

16-Aug-05 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Pseudo-nitzschia seriata</i> group							240	
<i>Scrippsiella</i> sp.	3920	2960	16000	1440			1600	4640
<i>Scrippsiella trochoidea</i>	800	2080	9440	432	40		800	640
<i>Skeletonema costatum</i>		240			40	40		
<i>Thalassiosira</i> spp.							80	
Tintinnida	2800	1680	960	7056	200	600	1440	17600
<i>Tintinnopsis</i> spp.							480	480
Unarmoured dinoflagellate	480	480	1120	1728	440	200	640	1280
23-Aug-05								
<i>Alexandrium fundyense</i>	280	1445	1700					
<i>Alexandrium fundyense</i> (duplet)			20					
<i>Alexandrium fundyense</i> (planozygote)			180					
<i>Amphidinium carterae</i>				40				
<i>Amphidinium sphenoides</i>				40				
<i>Amylax triacantha</i>			20	40				
<i>Apedinella radians</i>	40	4046		800	40			40
Armoured dinoflagellate	5400	49708	340	920	120		240	9640
<i>Attheya</i> spp.							40	
<i>Cerataulina pelagica</i>						80	840	440
<i>Ceratium fusus</i>				40				
<i>Ceratium lineatum</i>		289	40	120				40
<i>Ceratium longipes</i>	40	289		200	40	40	80	
<i>Ceratium tripos</i>		578	20					
<i>Chaetoceros constrictus</i>			80					
<i>Chaetoceros danicus</i>			40					
<i>Chaetoceros debilis</i>	80			80	40	40	40	
<i>Chaetoceros decipiens</i>	200	289		1040	160	240		40
<i>Chaetoceros diadema</i>			40					
<i>Chaetoceros didymus</i>							40	
<i>Chaetoceros laciniosus</i>			60					
<i>Chaetoceros lorenzianus</i>					40			120
<i>Chaetoceros simplex</i>	160			80			240	320
<i>Chaetoceros socialis</i>	160						1440	1480
<i>Chaetoceros</i> spp. (Hyalochaete)	80		60	160	80	120	40	360
<i>Commation cryoporinum</i>				40		40		
Copepoda				40		40	80	
<i>Coscinodiscus</i> spp.				40	40		40	40
<i>Cylindrotheca closterium</i>	480	867	260	840	840	640	560	360
<i>Dactyliosolen fragilissimus</i>	80			40			680	
<i>Dictyocha speculum</i>	720	1734	120	280	200	40	400	5840
<i>Dinophysis acuminata</i>	80			480	80		40	200
<i>Dinophysis norvegica</i>	120			240				
<i>Dinophysis pulchella</i>	40							
<i>Dinophysis rotundata</i>			20					
<i>Dinophysis</i> spp.							40	120
<i>Ditylum brightwellii</i>			20					
<i>Ebria tripartita</i>	80			80	120		120	1240
<i>Eutreptiella</i> sp.	3120	289	40	760		40	320	400
<i>Gonyaulax digitale</i>			40					160
<i>Gonyaulax spinifera</i>	600	9537	20	40				760
<i>Guinardia delicatula</i>	360			80	160		3640	1320
<i>Gyrodinium aureolum</i>	40		200					

23-Aug-05 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Gyrodinium</i> spp.		578	40	440	80	40	280	
<i>Helicostomella</i> spp.	120		40					
<i>Heterocapsa triquetra</i>	2840	2601	500	1600	40		200	4800
<i>Laboea</i> sp.		289		400			280	
<i>Lennoxia faveolata</i>				120	40			
<i>Leptocylindrus danicus</i>	120						240	1680
<i>Leptocylindrus mediterraneus</i>	40						40	
<i>Leptocylindrus minimus</i>	80			120		40	680	200
<i>Melosira nummuloides</i>						80		
<i>Mesodinium rubrum</i>	1680	2890	1140	2120	200	120	8840	320
<i>Navicula distans</i>	40						40	
<i>Notholca</i> spp.								40
<i>Paralia sulcata</i>					40			
Pennate diatom	240			160		40	40	
<i>Pleurosigma angulatum</i>	40							
<i>Proocentrum minimum</i>	40	289		160				440
<i>Protoperidinium bipes</i>				40				
<i>Protoperidinium brevipes</i>	80			40				
<i>Protoperidinium depressum</i>		578		40				
<i>Protoperidinium</i> spp.	200		20	40				
<i>Pseudo-nitzschia americana</i>	40						280	400
<i>Pseudo-nitzschia delicatissima</i> group	440	289	40	2040	1160	880	280	120
<i>Pseudo-nitzschia seriata</i> group	40	289	440					120
<i>Scrippsiella</i> sp.	5240	73117		480			40	2400
<i>Scrippsiella trochoidea</i>	5440	75718	900	440	40		40	800
<i>Skeletonema costatum</i>							320	
<i>Thalassiosira</i> spp.		289	20		40	120	40	
Tintinnida	560	2890		8960	320	160	160	3560
<i>Tintinnopsis</i> spp.							280	
Unarmoured dinoflagellate	560	2601	220	1520	200		80	200
30-Aug-05								
<i>Alexandrium fundyense</i>							40	720
<i>Amphidinium carterae</i>		40	80		120			
<i>Amylax triacantha</i>								144
<i>Apedinella radians</i>	800	200					40	144
Armoured dinoflagellate	15840	6200	6000	200	360		440	4608
<i>Asterionellopsis glacialis</i>		40			40		40	
<i>Aulacoseira ambigua</i>				40				
Centric diatom						80		
<i>Cerataulina pelagica</i>	160	80				40	880	576
<i>Ceratium fusus</i>		80	240	40				
<i>Ceratium horridum</i>				40				
<i>Ceratium lineatum</i>	480	1320	1680		40			1008
<i>Ceratium longipes</i>		200	240	200	40		160	864
<i>Ceratium tripos</i>			160					
<i>Chaetoceros contortus</i>		40	80	120	80			
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>							40	
<i>Chaetoceros debilis</i>	160	2280	240	440				288
<i>Chaetoceros decipiens</i>	160	200		200	160	80		
<i>Chaetoceros didymus</i>		40		40				
<i>Chaetoceros lorenzianus</i>								432
<i>Chaetoceros pseudobrevis</i>		80						

30-Aug-05 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Chaetoceros radicans</i>						40		
<i>Chaetoceros simplex</i>		40		200			520	864
<i>Chaetoceros socialis</i>	1280	3640	1840	920			1360	864
<i>Chaetoceros</i> spp. (Hyalochaete)	160	1320	560	560	400		120	432
<i>Comnasion cryoporinum</i>			80					
Copepoda	160		160	40				
<i>Coscinodiscus</i> spp.				40	40			
<i>Cylindrotheca closterium</i>	1760	1000	880	560	960	240	640	432
<i>Dactyliosolen fragilissimus</i>				80	240	200		288
<i>Dictyocha speculum</i>	1120	800	3120	320	40		1120	32079
<i>Dinophysis acuminata</i>	800	1040	1520	120			80	1008
<i>Dinophysis norvegica</i>	320	360	560	40			200	
<i>Dinophysis pulchella</i>			80				40	
<i>Dinophysis rotundata</i>		80						
<i>Dinophysis</i> spp.		40						
<i>Ebria tripartita</i>		240	80	160				1296
<i>Eutimninus</i> sp.		80						
<i>Eutryptella</i> sp.	320	480	2160	320			280	864
<i>Gonyaulax digitale</i>			160				120	432
<i>Gonyaulax spinifera</i>	640	160						
<i>Guinardia delicatula</i>	320	480	480	400	240	40	40	1296
<i>Gyrodinium aureolum</i>	320							
<i>Gyrodinium</i> spp.	1440	800	320	120	120		40	
<i>Helicostomella</i> spp.	160	160	160					144
<i>Heterocapsa triquetra</i>	16960	6560	14560	40	120		40	5040
<i>Laboea</i> sp.		120	320	240		40	200	
<i>Lennoxia faveolata</i>					40			
<i>Leptocylindrus danicus</i>		40	80				400	864
<i>Leptocylindrus minimus</i>	320	120	160	120	40		720	288
<i>Licmophora</i> spp.		40						
<i>Mesodinium rubrum</i>	23840	6680	7200	480	200		3760	37570
Pennate diatom	160	40		160		40	80	
<i>Proocentrum minimum</i>	960	240	240					720
<i>Protoperdinium bipes</i>	320			40	40			
<i>Protoperdinium brevipes</i>			80					144
<i>Protoperdinium depressum</i>		40						
<i>Protoperdinium punctulatum</i>			80					
<i>Protoperdinium</i> spp.	640	160	320	120	40			288
<i>Protoperdinium steinii</i>		80	80					144
<i>Pseudo-nitzschia americana</i>			80				200	
<i>Pseudo-nitzschia delicatissima</i> group	4640	2840	7120	1040	1160	560	160	144
<i>Pseudo-nitzschia seriata</i> group	160	120		40	200		200	576
<i>Scrippsiella</i> sp.	13280	4400						432
<i>Scrippsiella trochoidea</i>	6720	2640	8480				720	21888
<i>Skeletonema costatum</i>	160	40	240				400	432
<i>Thalassionema nitzschioides</i>							40	
<i>Thalassiosira anguste-lineata</i>			80					
<i>Thalassiosira</i> spp.	160	560		80	120	40	40	
Tintinnida	10880	2560	3680	1520	920	120	240	5184
<i>Tintinnopsis</i> spp.							4680	
Unarmoured dinoflagellate	2560	1560	560	320	400	80	120	720

7-Sep-05	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Alexandrium fundyense</i>		200	480			80		
<i>Alexandrium fundyense</i> (cyst)						80		
<i>Amphidinium carterae</i>	160	160						250
Armoured dinoflagellate	4960	1640	7040	1584	400	840	120	1125
<i>Asterionellopsis glacialis</i>						80		
<i>Brachionus</i> spp.				144				
Centric diatom					40			
<i>Cerataulina pelagica</i>		80		864	40		320	
<i>Ceratium fusus</i>	240			432				1625
<i>Ceratium lineatum</i>	1280	1360	1600			400	200	1375
<i>Ceratium longipes</i>	80	80	160	144		40	80	5500
<i>Ceratium tripos</i>				288		40		
<i>Chaetoceros contortus</i>	80			144	120	120		
<i>Chaetoceros debilis</i>	160	40	80	144		160		
<i>Chaetoceros decipiens</i>						40		
<i>Chaetoceros lorenzianus</i>		80						375
<i>Chaetoceros pseudobrevis</i>				288		40		
<i>Chaetoceros simplex</i>			80		80	40	2560	3750
<i>Chaetoceros socialis</i>	1680	680	2400	2016	400	360	40	
<i>Chaetoceros</i> spp. (Hyalochaete)	880	160	800	1152	120	640	560	625
<i>Commation cryoporinum</i>			80		80	160		
Copepoda	160				40	40		
<i>Coscinodiscus</i> spp.		40				80		
<i>Cylindrotheca closterium</i>	1120	560	320	720	760	360	160	125
<i>Dactylosolen fragilissimus</i>				144	80			
<i>Dictyocha speculum</i>	1600	1600	2640	1152	160	160	1560	86122
<i>Dinophysis acuminata</i>	640	1000	480	144	80	80	120	2000
<i>Dinophysis acuta</i>				144				
<i>Dinophysis dens</i>						40		
<i>Dinophysis norvegica</i>	240	200	160			120		1750
<i>Dinophysis pulchella</i>		200		144				250
<i>Dinophysis rotundata</i>			160			40		
<i>Ditylum brightwellii</i>	480	320	160		40	160		
<i>Ebria tripartita</i>	160	280	80				120	1875
<i>Eutimninus</i> sp.	80	40						
<i>Eutreptiella</i> sp.	1360	520	720	1440		80	80	375
<i>Favella</i> spp.		40						
<i>Gonyaulax digitale</i>	80	40	160				80	125
<i>Gonyaulax spinifera</i>	400	440	960			160		125
<i>Guinardia delicatula</i>	8880	10080	15840	22608	2840	4520	320	375
<i>Gyrodinium aureolum</i>	80							
<i>Gyrodinium</i> spp.	880	200	800	288	80		120	125
<i>Helicostomella</i> spp.	80	80	80					125
<i>Heterocapsa triquetra</i>	11200	11240	37120	288	320	440	40	1750
<i>Laboea</i> sp.	80	120	160				160	1125
<i>Leptocylindrus danicus</i>		40	80				280	6250
<i>Leptocylindrus mediterraneus</i>	80							
<i>Leptocylindrus minimus</i>	240	160	80	144	280	40	840	
<i>Licmophora</i> spp.		120						
<i>Mesodinium rubrum</i>	2240	3120	5600	864	80		6800	4250
<i>Navicula distans</i>					80	40		
<i>Paralia sulcata</i>					40			
Pennate diatom			80		80		160	5750

7-Sep-05 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Phaeocystis pouchetii</i>								250
<i>Pleurosigma angulatum</i>								125
<i>Polykrikos</i> spp.	80							
<i>Prorocentrum minimum</i>		80	160	144			80	875
<i>Prorocentrum</i> sp. (small)	240					40		
<i>Protoperidinium bipes</i>					40			
<i>Protoperidinium depressum</i>	80							
<i>Protoperidinium</i> spp.		40		144		40	120	
<i>Protoperidinium steinii</i>	240		160		40			250
<i>Pseudo-nitzschia americana</i>	240	40					560	
<i>Pseudo-nitzschia delicatissima</i> group	4560	2040	9520	15840	4720	3120	200	625
<i>Pseudo-nitzschia seriata</i> group	480	280	240	576	280		240	1000
<i>Scrippsiella</i> sp.	1120	920	2400		200	600		250
<i>Scrippsiella trochoidea</i>	6800	6160	9920	1584	520	1200	1200	79186
<i>Skeletonema costatum</i>	560	40	400			40	440	
<i>Thalassionema nitzschioides</i>					40			125
<i>Thalassiosira anguste-lineata</i>	80	120						
<i>Thalassiosira gravida</i>	240	200		144	40	40		
<i>Thalassiosira punctigera</i>					40			
<i>Thalassiosira</i> spp.	80	80	80	720	240	320		
Tintinnida	2880	1600	3520	2160	360	320	480	4500
<i>Tintinnopsis</i> spp.	80							
Unarmoured dinoflagellate	640	240	1200	1008		120		500
13-Sep-05								
<i>Alexandrium fundyense</i>		288	432					
<i>Alexandrium fundyense</i> (duplet)			144					
<i>Amphidinium carterae</i>						40		
<i>Amphidinium sphenoides</i>			288			40		
<i>Apedinella radians</i>	160	720	432	144				144
Armoured dinoflagellate	320	8352	3744	1584		80	120	3312
<i>Asterionellopsis glacialis</i>					80	80	40	
<i>Aulacoseira ambigua</i>						40		
Centric diatom					40	40		
<i>Cerataulina pelagica</i>	1040			1152		40		
<i>Ceratium fusus</i>	80			288	40			
<i>Ceratium lineatum</i>	1600	1728	2016	144	40	80	120	3024
<i>Ceratium longipes</i>	240		288	144				144
<i>Ceratium</i> spp.				144				
<i>Chaetoceros debilis</i>		720	288					
<i>Chaetoceros decipiens</i>							280	
<i>Chaetoceros didymus</i>	80				40	40		
<i>Chaetoceros laciniosus</i>							40	432
<i>Chaetoceros lorenzianus</i>					40			2160
<i>Chaetoceros pseudobrevis</i>					160			
<i>Chaetoceros simplex</i>							3880	8352
<i>Chaetoceros socialis</i>	1760	5904	5040	3024	440	160	440	
<i>Chaetoceros</i> spp. (Hyalochaete)	880	864	1872	1728	200	240	640	1008
<i>Commaion cryoporinum</i>			144					
<i>Corethron hystrix</i>				144				144
<i>Coscinodiscus</i> spp.				144			40	
<i>Cylindrotheca closterium</i>	1120	1728	432	576	200	160	280	144
<i>Dactyliosolen fragilissimus</i>					200	80		

13-Sep-05 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Dictyocha speculum</i>	3200	8784	8208	3024	40	40	560	88434
<i>Dinophysis acuminata</i>	160	144	144	432				3168
<i>Dinophysis norvegica</i>	240				40			
<i>Dinophysis pulchella</i>								3600
<i>Dinophysis</i> spp.		144						
<i>Ditylum brightwellii</i>	480	3888	2448	2880	200	280		
<i>Ebria tripartita</i>	80	144	144				120	2160
<i>Eucampia zodiacus</i>							40	
<i>Eutimninus</i> sp.		144						
<i>Eutreptiella</i> sp.	1200	1728	1296	1152				432
<i>Gonyaulax digitale</i>		288	432					864
<i>Gonyaulax spinifera</i>			720					
<i>Guinardia delicatula</i>	37280	49708	42483	51442	6960	2800	200	1152
<i>Gyrodinium aureolum</i>			144					
<i>Gyrodinium</i> spp.	160	1296	1008	144	40		120	144
<i>Gyrosigma fasciola</i>							40	
<i>Helicostomella</i> spp.		144						144
<i>Heterocapsa triquetra</i>	2320	41905	36992	1008				3168
<i>Laboea</i> sp.	400	288	144	144			80	
<i>Lennoxia faveolata</i>							160	
<i>Leptocylindrus danicus</i>	480	864	576				400	1296
<i>Leptocylindrus mediterraneus</i>		288				40		
<i>Leptocylindrus minimus</i>	240	288		288			840	720
<i>Mesodinium rubrum</i>	1680	720	2304	288	320		4440	1296
<i>Micracanthodinium claytonii</i>				144		40		
<i>Navicula distans</i>							40	
<i>Notholca</i> spp.			144					
Pennate diatom								
<i>Polykrikos</i> spp.	240		144	144		80	40	
<i>Prorocentrum minimum</i>	1040		144					
<i>Prorocentrum</i> sp. (small)	80							
<i>Protoperidinium bipes</i>	80							
<i>Protoperidinium</i> spp.				144				
<i>Protoperidinium steinii</i>		144	288				40	288
<i>Pseudo-nitzschia americana</i>	160						400	1296
<i>Pseudo-nitzschia delicatissima</i> group	2720	6768	5904	1008	1080	1120	320	720
<i>Pseudo-nitzschia seriata</i> group	480	864	1296	1296			40	
<i>Scrippsiella</i> sp.		1008	2448		40			576
<i>Scrippsiella trochoidea</i>	1280	2592	1872	1296	40	80	320	5472
<i>Skeletonema costatum</i>	560	144	1008	720	160	320	640	144
<i>Thalassionema nitzschioides</i>	160			288	120	200	120	29478
<i>Thalassiosira anguste-lineata</i>		144	144	144				
<i>Thalassiosira bioculata</i>					40			
<i>Thalassiosira gravida</i>	880	6192	15840	27216	1080	400		
<i>Thalassiosira punctigera</i>	80							
<i>Thalassiosira</i> spp.	320		1440	432	320	240	160	
Tintinnida	1760	3168	3456	1296	240	120	240	4320
<i>Tintinnopsis</i> spp.	160						120	
Unarmoured dinoflagellate	160	1872	1584	432	160		40	432
20-Sep-05								
<i>Amphidinium carterae</i>				144				
<i>Amphidinium sphenoides</i>			144					

20-Sep-05 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Apedinella radians</i>	288	193	288					40
Armoured dinoflagellate	1008	965	5472	1440	144		60	200
<i>Asterionellopsis glacialis</i>	5904	16598	1152	720	2448	1296	20	160
<i>Biddulphia alternans</i>	144							
Centric diatom		579						
<i>Cerataulina pelagica</i>	432	965	576	720	288			
<i>Ceratium fusus</i>			144					
<i>Ceratium lineatum</i>	576	386	1872	288	288		40	160
<i>Ceratium longipes</i>							20	
<i>Ceratium tripos</i>			144	144				
<i>Chaetoceros contortus</i>	144	772	720	1296	432			80
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>								40
<i>Chaetoceros debilis</i>	288	386	720	432	144		20	120
<i>Chaetoceros decipiens</i>	432			144			20	
<i>Chaetoceros didymus</i>	144			144			40	
<i>Chaetoceros laciniosus</i>			144	288			20	160
<i>Chaetoceros lorenzianus</i>		193			288		120	80
<i>Chaetoceros pseudobrevis</i>					144			
<i>Chaetoceros simplex</i>	720	386				432	1040	1280
<i>Chaetoceros socialis</i>	1152	5018	2880	1728				720
<i>Chaetoceros</i> spp. (Hyalochaete)	1584	2316	2592	864	1296	288	200	320
<i>Chaetoceros subtilis</i>		772	144					40
<i>Commation cryoporinum</i>				144				
Copepoda			144					
<i>Corethron hystrix</i>	144	193	864	144				80
<i>Coscinodiscus</i> spp.				144				
<i>Cylindrotheca closterium</i>	1296	3088	1008	1296	1584	720	140	440
<i>Dactyliosolen fragilissimus</i>					288		80	
<i>Dictyocha speculum</i>	864	2123	1296	864	720	288	700	1080
<i>Dinophysis acuminata</i>			864	1008			40	160
<i>Dinophysis norvegica</i>	144			144				
<i>Dinophysis rotundata</i>			144					
<i>Ditylum brightwellii</i>	11808	21616	17568	17424	4464	2448	20	2080
<i>Ebria tripartita</i>				576			40	40
<i>Eutreptiella</i> sp.	576	3088	1872	864	288		120	320
<i>Favella</i> spp.			144					
<i>Guinardia delicatula</i>	5472	6755	2304	5184	5328	4896	140	1360
<i>Gyrodinium aureolum</i>			144					
<i>Gyrodinium</i> spp.	288	579	1152	144	288	288	60	80
<i>Helicostomella</i> spp.	144							
<i>Heterocapsa triquetra</i>	864	3474	12384	2880	144			440
<i>Laboea</i> sp.		193	432	576			20	120
<i>Lennoxia faveolata</i>	576						120	
<i>Leptocylindrus danicus</i>	3024	3860	288	1440	576	576	160	880
<i>Leptocylindrus mediterraneus</i>		386	288	720				40
<i>Leptocylindrus minimus</i>	1152	965	288	1008	864	144	340	360
<i>Mediopyxis helysia</i>	288	193			288			
<i>Mesodinium rubrum</i>	1728	7720	3168	2016		576	4240	280
<i>Navicula distans</i>	144							
<i>Paralia sulcata</i>	144							40
Pennate diatom	576	579	432	432			100	
<i>Pleurosigma</i> / <i>Gyrosigma</i>							20	

20-Sep-05 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Pleurosigma angulatum</i>	144	193						40
<i>Polykrikos</i> spp.	144	193	1152		144		40	40
<i>Prorocentrum minimum</i>				720				40
<i>Prorocentrum</i> sp. (small)								40
<i>Protoperidinium</i> spp.			144					
<i>Pseudo-nitzschia americana</i>	144	193	288				260	280
<i>Pseudo-nitzschia delicatissima</i> group	9360	11387	4176	6192	2592	1152	100	1120
<i>Pseudo-nitzschia seriata</i> group	144	772	576	1008	1152		120	80
<i>Salpingella</i> spp.	144							
<i>Scrippsiella</i> sp.		579						
<i>Scrippsiella trochoidea</i>			2016			144		40
<i>Skeletonema costatum</i>	5616	6562	5184	3600	2160	2016	400	1120
<i>Thalassionema nitzschioides</i>	4320	579		144	864	144	2200	6080
<i>Thalassiosira gravida</i>	9792	24511	26928	19440	27504	18000	60	3400
<i>Thalassiosira punctigera</i>		193						
<i>Thalassiosira</i> sp. (tiny)	1008	1351	1008	1440				
<i>Thalassiosira</i> spp.	2304	4053	2016	4176	2448	1584		640
Tintinnida	864	1930	1872	720		432	140	520
Unarmoured dinoflagellate		1351	3168	1440			40	80
4-Oct-05								
<i>Actinopterychus senarius</i>				2312	579			
<i>Alexandrium fundyense</i>	289							
<i>Amphidinium sphenoides</i>	289			289				
<i>Apedinella radians</i>		289						
Armoured dinoflagellate	867	3468	3757	578		144		3179
<i>Asterionellopsis glacialis</i>	44217	61846	26877	16184	13510	9936	280	10693
<i>Aulacoseira ambigua</i>						144		
<i>Cerataulina pelagica</i>				289	193			
<i>Ceratium fusus</i>		578						
<i>Ceratium lineatum</i>	867	4335	2890	289			40	2601
<i>Chaetoceros contortus</i>		289	289		193			289
<i>Chaetoceros debilis</i>	1734	2890	578		579	144	360	6936
<i>Chaetoceros decipiens</i>				578				
<i>Chaetoceros didymus</i>				289				
<i>Chaetoceros simplex</i>	289			289	579		1280	289
<i>Chaetoceros socialis</i>	578	1734	1156				680	6069
<i>Chaetoceros</i> spp. (Hyalochaete)	4046	2890	2601	4046	1158	1008	600	2601
<i>Corethron hystrix</i>	578		289	578	193		120	1156
<i>Cylindrotheca closterium</i>	2601	867	1156	2601	965	1584	240	1156
<i>Dactyliosolen fragilissimus</i>				6069	1737	576		
<i>Dictyocha speculum</i>	289			578	386		240	1156
<i>Dinophysis acuminata</i>	289						80	1156
<i>Dinophysis pulchella</i>								289
<i>Dinophysis</i> spp.		289				144		
<i>Ditylum brightwellii</i>	78608	98260	112421	52598	19879	14688	920	26877
<i>Ebria tripartita</i>			289					578
<i>Eucampia zodiacus</i>								578
<i>Eutreptiella</i> sp.		1734	1445	578			520	2023
<i>Gonyaulax spinifera</i>		578		289				
<i>Gonyaulax</i> spp.		289						
<i>Guinardia delicatula</i>			578		193	144	40	578
<i>Gyrodinium</i> spp.	289	1445					40	1445

4-Oct-05 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Heterocapsa triquetra</i>	289	578	289					
<i>Laboea</i> sp.							40	
<i>Lauderia annulata</i>								1734
<i>Lennoxia faveolata</i>							320	
<i>Leptocylindrus danicus</i>	6358	7803	6069	289			1680	95948
<i>Leptocylindrus mediterraneus</i>								289
<i>Leptocylindrus minimus</i>	2023	578	2312		193	576	440	2312
<i>Mediopyxis helysia</i>						288		
<i>Melosira nummuloides</i>						144		
<i>Mesodinium rubrum</i>	18207	13294	10982	578	386		5920	23120
<i>Odontella sinensis</i>				289		144		
<i>Paralia sulcata</i>	289							
Pennate diatom			289				160	
<i>Pleurosigma angulatum</i>							40	
<i>Polykrikos</i> spp.			578					289
<i>Prorocentrum</i> sp. (small)	289							
<i>Protoperidinium bipes</i>								867
<i>Protoperidinium</i> spp.			578					
<i>Protoperidinium steinii</i>	289							
<i>Pseudo-nitzschia americana</i>	578		578				1480	11271
<i>Pseudo-nitzschia delicatissima</i> group	2023	1734	1734	3179	1351	864	160	2312
<i>Pseudo-nitzschia seriata</i> group	2023	867	3179	2890	772	144	600	21097
<i>Rhizosolenia hebetata</i> f. <i>semispina</i>								578
<i>Scrippsiella</i> sp.		289						
<i>Scrippsiella trochoidea</i>		289						
<i>Skeletonema costatum</i>	17918	28611	15317	17918	9457	8352	1000	2601
<i>Stephanopyxis turris</i>								867
<i>Thalassionema nitzschioides</i>	9826	1445	3179	13583	5211	3168	15040	140454
<i>Thalassiosira anguste-lineata</i>	578		578					
<i>Thalassiosira gravida</i>	14450	10693	29189	48552	26827	20736	560	6647
<i>Thalassiosira</i> sp. (tiny)		578	867	1445	193	144		
<i>Thalassiosira</i> spp.	4335	4913	8092	8092	4053	1440	760	3757
Tintinnida	2312	4624	1156			576	200	1445
Unarmoured dinoflagellate	289	2601	1445	1156			40	1156
11-Oct-05								
<i>Actinopterychus senarius</i>			400				80	
<i>Alexandrium fundyense</i>	240							
<i>Amphidinium carterae</i>			240				40	
<i>Amphidinium sphenoides</i>		200	120	864	432	144		288
<i>Amylax triacantha</i>				144				
<i>Apedinella radians</i>		40		144				
Armoured dinoflagellate	800	200	640	1296		144	40	1008
<i>Asterionellopsis glacialis</i>	1440	3640	960	2592	3888	1584	80	144
<i>Biddulphia alternans</i>		40						
<i>Brachionus</i> spp.			40					
Centric diatom	160		40					
<i>Ceratium fusus</i>	80			144				
<i>Ceratium lineatum</i>	1600		520	432	144		80	720
<i>Ceratium tripos</i>			40					
<i>Chaetoceros contortus</i>				144				
<i>Chaetoceros convolutus</i>		80						
<i>Chaetoceros convolutus</i> / <i>concauicornis</i>			40					

11-Oct-05 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Chaetoceros debilis</i>	400	920	360		144	144	80	432
<i>Chaetoceros decipiens</i>		40		144				
<i>Chaetoceros laciniosus</i>	80	200						
<i>Chaetoceros lorenzianus</i>		40					40	
<i>Chaetoceros pseudobrevis</i>	80					288		
<i>Chaetoceros simplex</i>		280				144		
<i>Chaetoceros socialis</i>	400	1000	320					144
<i>Chaetoceros</i> spp. (Hyalochaete)	1440	560	320	1872	1296	1440	200	432
Copepoda	80							144
<i>Corethron hystrix</i>	320	120	280	432	144	288		720
<i>Coscinodiscus</i> spp.			120	144	144			
<i>Cylindrotheca closterium</i>	560	760	800	144	1008	432	40	576
<i>Dactyliosolen fragilissimus</i>		40		1728	144	3168		144
<i>Dictyocha speculum</i>	80	80	160	144			80	1728
<i>Dinobryon</i> spp.			280					
<i>Dinophysis acuminata</i>								4320
<i>Ditylum brightwellii</i>	4960	4360	7120	8928	12096	12240	200	1152
<i>Ebria tripartita</i>			40					
<i>Eucampia zodiacus</i>						144		576
<i>Eutreptiella</i> sp.	800	240	240	720	144		80	720
<i>Favella</i> spp.			40					
<i>Guinardia delicatula</i>	400	200	600	144	720		80	
<i>Gyrodinium aureolum</i>	80		80					144
<i>Gyrodinium</i> spp.	720	80	200	720		144	160	
<i>Gyrosigma fasciola</i>			40					
<i>Helicotheca tamesis</i>				144				
<i>Heterocapsa triquetra</i>	240		200					
<i>Laboea</i> sp.	160		400					288
<i>Lauderia annulata</i>	160						40	432
<i>Leptocylindrus danicus</i>	4240	1160	600	576	576		8400	156060
<i>Leptocylindrus mediterraneus</i>		200	360					
<i>Leptocylindrus minimus</i>	320	400	280	1008	576	144	160	864
<i>Mesodinium rubrum</i>	15760	80	9200	576	432	144	3120	63580
<i>Navicula distans</i>		40		144				
<i>Odontella sinensis</i>	240	120	80		720	432		
<i>Parafavella</i> spp.	80		40					
<i>Paralia sulcata</i>	80		40		144			
Pennate diatom		240	280			1440	80	288
<i>Polykrikos</i> spp.	320	40	440	432				144
<i>Prorocentrum minimum</i>		40	240					
<i>Protoperidinium bipes</i>		120						
<i>Protoperidinium</i> spp.				144	144			
<i>Protoperidinium steinii</i>	80							
<i>Pseudo-nitzschia americana</i>	320	120					360	576
<i>Pseudo-nitzschia delicatissima</i> group	880	1600	2600	4752	2592	864	120	288
<i>Pseudo-nitzschia seriata</i> group	480	520	1280	1296	1440	432	80	1872
<i>Ptychocylis</i> spp.			40					
<i>Rhizosolenia imbricata</i>						144		
<i>Rhizosolenia</i> spp.	80							
<i>Scrippsiella trochoidea</i>	80		40					
<i>Skeletonema costatum</i>	2400	2560	1040	3312	5472	5616	80	576
<i>Thalassionema nitzschioides</i>	2720	1600	80	576	1584	5040	4160	46529

11-Oct-05 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Thalassiosira anguste-lineata</i>			40			144		
<i>Thalassiosira gravida</i>	8800	7080	6880	25344	15840	30240	200	1440
<i>Thalassiosira</i> sp. (tiny)			40		144			
<i>Thalassiosira</i> spp.	1280	1520	1680	1728	2880	5472	40	576
Tintinnida	3840	520	1040	1008	576	144	800	1152
Unarmoured dinoflagellate	560	280	760	720	144	144	400	576
18-Oct-05								
<i>Actinopterychus senarius</i>								432
<i>Amphidinium sphenoides</i>		40		40	40	40		
<i>Apedinella radians</i>					40			
Armoured dinoflagellate	120	160	80	120	200	80	20	1152
<i>Asterionellopsis glacialis</i>	960	1240	960	880	640	680		288
<i>Biddulphia alternans</i>	40							
<i>Ceratium fusus</i>								144
<i>Ceratium lineatum</i>	80	80	720	360	80	120	80	864
<i>Ceratium longipes</i>							20	
<i>Chaetoceros convolutus</i>	40							
<i>Chaetoceros convolutus / concavicornis</i>				40				
<i>Chaetoceros debilis</i>		40						
<i>Chaetoceros decipiens</i>	40	40		40				
<i>Chaetoceros laciniosus</i>	40							
<i>Chaetoceros simplex</i>		80	160					
<i>Chaetoceros socialis</i>			80	200				
<i>Chaetoceros</i> spp. (Hyalochaete)	280	160	320	120	200	120	20	
<i>Commatia cryoporinum</i>				40				
<i>Corethron hystrix</i>		40	80			40		720
<i>Coscinodiscus</i> spp.		120		40				144
<i>Cylindrotheca closterium</i>	600	400	880	840	240	520	40	1152
<i>Dactyliosolen fragilissimus</i>			560	8720	2360	2120		144
<i>Dictyocha speculum</i>		120	80	80	40	80	40	576
<i>Dinophysis acuminata</i>				120	40			2016
<i>Dinophysis norvegica</i>		40						144
<i>Dinophysis rotundata</i>								144
<i>Ditylum brightwellii</i>	1120	1440	1840	1480	560	960	120	432
<i>Eutreptiella</i> sp.	40	120		40	40			144
<i>Guinardia delicatula</i>	400	320	320	240	160	80		
<i>Guinardia striata</i>	40							
<i>Gyrodinium aureolum</i>	40							
<i>Gyrodinium</i> spp.		40	160	80	40		60	
<i>Gyrosigma</i> spp.				40				
<i>Gyrosigma tenuissimum</i>							20	
<i>Helicotheca tamesis</i>				40				
<i>Heterocapsa triquetra</i>				40				576
<i>Laboea</i> sp.							20	
<i>Lauderia annulata</i>	40	40		80			20	288
<i>Leptocylindrus danicus</i>	4400	2160	11440				3480	97104
<i>Leptocylindrus mediterraneus</i>	40		80		40			
<i>Leptocylindrus minimus</i>	120	240	640	200	160	120	40	720
<i>Mesodinium rubrum</i>	3040	2000	8480	80	280	40	1660	10944
<i>Micracanthodinium claytonii</i>					80			
<i>Odontella aurita</i>		40						
<i>Odontella sinensis</i>	80	200	240	160	120			

18-Oct-05 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Paralia sulcata</i>							20	
Pennate diatom	40		80	40	160		40	288
<i>Pleurosigma angulatum</i>	40							
<i>Polykrikos</i> spp.		120						288
<i>Prorocentrum minimum</i>		40						144
<i>Prorocentrum</i> sp. (small)								288
<i>Protoperidinium bipes</i>					40			
<i>Protoperidinium steinii</i>								144
<i>Pseudo-nitzschia americana</i>	80		240					288
<i>Pseudo-nitzschia delicatissima</i> group	1280	1160	1840	640	1040	1120	60	288
<i>Pseudo-nitzschia seriata</i> group	480	240	80	360	200	200	20	432
<i>Ptychocylis</i> spp.					40			
<i>Rhizosolenia imbricata</i>			160	40				144
<i>Rhizosolenia setigera</i>		40						
<i>Scrippsiella</i> sp.			80					
<i>Skeletonema costatum</i>	760	1000	880	240	320	240	40	
<i>Thalassionema nitzschioides</i>	1080	640	3200	1760	1360	1160	2060	19008
<i>Thalassiosira anguste-lineata</i>		40		40				
<i>Thalassiosira baltica</i>	40			40				
<i>Thalassiosira gravida</i>	2720	3400	5840	4960	3200	4680	120	2736
<i>Thalassiosira punctigera</i>					40	40		
<i>Thalassiosira</i> sp. (tiny)						40		
<i>Thalassiosira</i> spp.	320	560	240	320	3600	400	40	432
Tintinnida	240	480	320	160	200	200	40	1296
<i>Tintinnopsis</i> spp.							20	
Unarmoured dinoflagellate	80	280			80	40	20	144
28-Oct-05								
<i>Actinoptychus senarius</i>		20						
<i>Amphidinium carterae</i>		20	20					20
<i>Amphidinium sphenoides</i>		20		40				
Armoured dinoflagellate	100	120	160					20
<i>Asterionellopsis glacialis</i>		40			40			20
<i>Biddulphia alternans</i>		20						
Centric diatom			20					
<i>Ceratium fusus</i>		20						
<i>Ceratium lineatum</i>	100	60	40			40	20	60
<i>Ceratium longipes</i>			20					
<i>Ceratium tripos</i>		20	20					
<i>Chaetoceros convolutus</i> / <i>conconvicornis</i>	20							
<i>Chaetoceros decipiens</i>			20					
<i>Chaetoceros laciniosus</i>		40						
<i>Chaetoceros simplex</i>			20					
<i>Chaetoceros socialis</i>	20							
<i>Chaetoceros</i> spp. (Hyalochaete)		20	20		40			
<i>Commation cryoporinum</i>		20	20	40				
Copepoda	40		20					20
<i>Corethron hystrix</i>	20	20	40	40	80			
<i>Coscinodiscus</i> spp.	60	80			40			
<i>Cylindrotheca closterium</i>	240	320	160	360	440	80	40	20
<i>Dictyocha speculum</i>	40	40	120				20	220
<i>Dinobryon</i> spp.							20	20
<i>Dinophysis acuminata</i>				40				

28-Oct-05 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Dinophysis norvegica</i>			20					
<i>Dinophysis rotundata</i>			20					
<i>Ditylum brightwellii</i>	80	100	140	240	240	160	20	
<i>Eutreptiella</i> spp.	120		60	160	40	40		100
<i>Guinardia delicatula</i>	40	120	100	80	80			40
<i>Guinardia striata</i>						40		
<i>Gyrodinium</i> spp.	140	80	20	160	40		80	60
<i>Heterocapsa triquetra</i>			20					
<i>Laboea</i> sp.	140		200					
<i>Leptocylindrus danicus</i>	60	20	60			120	60	
<i>Leptocylindrus mediterraneus</i>		20			40			
<i>Leptocylindrus minimus</i>	60	240	340		40		40	
<i>Licmophora</i> spp.								20
<i>Mediopyxis helysis</i>						40		
<i>Melosira nummuloides</i>						40		
<i>Mesodinium rubrum</i>	4080	40	3460	160			1560	4360
<i>Navicula distans</i>	20				40			
<i>Notholca</i> spp.			20			40		
<i>Odontella sinensis</i>			20	40	80			20
Pennate diatom	20	40	100			160		60
<i>Polykrikos</i> spp.			80					
<i>Protoperidinium</i> spp.			40					
<i>Pseudo-nitzschia americana</i>						40	20	
<i>Pseudo-nitzschia delicatissima</i> group	400	460	320	880	240	520	100	80
<i>Pseudo-nitzschia seriata</i> group	40	20	140		80			
<i>Salpingella</i> spp.						40		
<i>Skeletonema costatum</i>	60	180	20			40	20	
<i>Tabellaria</i> spp.								120
<i>Thalassionema nitzschioides</i>	40	20	40	240	40	80	140	140
<i>Thalassiosira baltica</i>				40				
<i>Thalassiosira gravida</i>	20	120	100			40		
<i>Thalassiosira punctigera</i>	20	20	20			120		
<i>Thalassiosira</i> spp.		40	20	40	120	120		
Tintinnida	460		140	80	200	80		160
<i>Tintinnopsis</i> spp.	20							
Unarmoured dinoflagellate	160	40	260	80	160	40	60	20
14-Nov-05								
<i>Actinopterychus senarius</i>		20			120			
<i>Amphidinium carterae</i>	20							40
<i>Amphidinium sphenoides</i>				40				
Armoured dinoflagellate	20		40			40	20	
<i>Asterionellopsis glacialis</i>	20	40	20				40	20
Centric diatom			80	40	80			
<i>Ceratium lineatum</i>								20
<i>Chaetoceros simplex</i>			20					
<i>Chaetoceros socialis</i>								20
<i>Chaetoceros</i> spp. (Hyalochaete)		20						
<i>Commation cryoporinum</i>				40				20
Copepoda							40	20
<i>Corethron hystrix</i>		20		80				20
<i>Coscinodiscus centralis</i>			20					
<i>Coscinodiscus</i> spp.		80	20		80	40	20	

14-Nov-05 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Cylindrotheca closterium</i>	740	580	640	240	320	160	140	300
<i>Dactyliosolen fragilissimus</i>	20							
<i>Dictyocha speculum</i>	20	20	20				20	20
<i>Dinophysis acuminata</i>			40					
<i>Dinophysis</i> spp.								40
<i>Ditylum brightwellii</i>	180	320	220	40	280	40	40	40
<i>Ebria tripartita</i>			20					
<i>Eutreptiella</i> sp.		20	40	80				200
<i>Guinardia delicatula</i>			20		80	120		
<i>Gyrodinium</i> spp.		40	40	120			40	60
<i>Gyrosigma tenuissimum</i>							20	
<i>Heterocapsa triquetra</i>								20
<i>Laboea</i> sp.	20	20	20					60
<i>Leptocylindrus danicus</i>		40						80
<i>Leptocylindrus minimus</i>	140	80	40				20	20
<i>Mediopyxis helysia</i>					40			
<i>Mesodinium rubrum</i>	500	5240	1800	200	120		780	1380
<i>Navicula distans</i>	20					40		
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>						40		
<i>Odontella sinensis</i>	20	20	20	40	40			20
<i>Paralia sulcata</i>	20		40					
Pennate diatom	140		20	40	40		40	
<i>Pleurosigma angulatum</i>	20	20						20
<i>Pseudo-nitzschia delicatissima</i> group	280	380	280	240	280	80	60	320
<i>Pseudo-nitzschia seriata</i> group		20						
<i>Skeletonema costatum</i>	180	120	140	40	40			60
<i>Tabellaria</i> spp.		20						
<i>Thalassionema nitzschioides</i>		40	40	120				
<i>Thalassiosira gravida</i>		180	40	40	160	80	20	
<i>Thalassiosira punctigera</i>					40			
<i>Thalassiosira</i> spp.	60		40	120				
Tintinnida	40	20	40	40		40	40	160
<i>Tintinnopsis</i> spp.	40							
Unarmoured dinoflagellate		20		40			20	220
13-Dec-05								
<i>Amphidinium carterae</i>							20	20
Armoured dinoflagellate							20	
<i>Asterionella formosa</i>							120	
<i>Asterionellopsis glacialis</i>					40	40		
Centric diatom	40	40				40		
<i>Chaetoceros</i> spp. (Hyalochaete)						40		40
<i>Commation cryoporinum</i>		20	20					
Copepoda	20	20						
<i>Corethron hystrix</i>							20	20
<i>Coscinodiscus</i> spp.			20				40	40
<i>Cylindrotheca closterium</i>	660	660	640	600	720	240	280	500
<i>Dictyocha speculum</i>	40					40	20	80
<i>Dinobryon</i> spp.							20	
<i>Dinophysis acuminata</i>		20						
<i>Ditylum brightwellii</i>	40		120			80	40	80
<i>Grammatophora marina</i>								20
<i>Guinardia delicatula</i>	20	20	20	40	240		20	20

13-Dec-05 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Guinardia striata</i>			20					
<i>Gyrodinium</i> spp.	20	20		40				
<i>Heterocapsa triquetra</i>			20					
<i>Laboea</i> sp.							40	
<i>Leptocylindrus danicus</i>								20
<i>Leptocylindrus minimus</i>	60	20	20					60
<i>Licmophora</i> spp.			140				20	
<i>Melosira nummuloides</i>							20	
<i>Melosira</i> spp.							20	20
<i>Mesodinium rubrum</i>	240	220	200			40	300	640
<i>Navicula distans</i>		60			40			
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>						40		
<i>Notholca</i> spp.			20					
<i>Odontella sinensis</i>		20						20
<i>Paralia sulcata</i>	40							
Pennate diatom		60	100	160	40		60	60
<i>Pleurosigma angulatum</i>						40		20
<i>Pseudo-nitzschia delicatissima</i> group	340	320	120	40	80	240	360	160
<i>Salpingella</i> spp.								20
<i>Skeletonema costatum</i>	20	40	40				60	
<i>Thalassionema nitzschioides</i>	20	20						
<i>Thalassiosira anguste-lineata</i>			20					
<i>Thalassiosira gravis</i>		60			40		20	20
<i>Thalassiosira punctigera</i>	20	20				40		
<i>Thalassiosira</i> spp.	100	20			40			40
Tintinnida	100		40	120	40	40	20	60
<i>Tintinnopsis</i> spp.	20						40	
Unarmoured dinoflagellate				40	40			
10-Jan-06								
<i>Actinopteryx senarius</i>			40					80
<i>Amphidinium carterae</i>	20				40			
Armoured dinoflagellate	40	20	20	80		40		20
<i>Asterionellopsis glacialis</i>	60						20	
<i>Aulacoseira ambigua</i>			20					
Centric diatom		20	40			40		20
<i>Cerataulina pelagica</i>				40	40			
<i>Ceratium lineatum</i>					40			20
<i>Ceratium tripos</i>						40		
<i>Chaetoceros decipiens</i>							20	
<i>Chaetoceros</i> spp. (Hyalochaete)		40					20	20
<i>Commation cryoporinum</i>					40			
Copepoda		20						
<i>Corethron hystrix</i>				40				20
<i>Coscinodiscus</i> spp.			20		40		20	20
<i>Cylindrotheca closterium</i>	440	560	500	1480	280	840	340	780
<i>Dactyliosolen fragilissimus</i>						40		
<i>Dictyocha speculum</i>			20					20
<i>Dinobryon</i> spp.	20							
<i>Dinophysis acuminata</i>						40		
<i>Ditylum brightwellii</i>	60	20	60	40	40	120	40	100
<i>Eutreptiella</i> sp.			20					20
<i>Guinardia delicatula</i>	60	60	20	40				

10-Jan-06 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Gyrodinium</i> spp.		20		40				
<i>Gyrosigma tenuissimum</i>						40		
<i>Heterocapsa triquetra</i>								20
<i>Leptocylindrus mediterraneus</i>						40		
<i>Leptocylindrus minimus</i>	40	20		40		40	20	60
<i>Melosira nummuloides</i>			20					
<i>Melosira</i> spp.	20							
<i>Mesodinium rubrum</i>	500	500	460		40		680	1000
<i>Micracanthodinium claytonii</i>								20
<i>Navicula distans</i>			60					
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>			40				20	
<i>Paralia sulcata</i>			20					
Pennate diatom	80	140	180	80	80	120	80	100
<i>Prorocentrum micans</i>		20						
<i>Pseudo-nitzschia delicatissima</i> group	140	400	220	320	80	320	40	160
<i>Skeletonema costatum</i>	60	40				40	20	
<i>Thalassiosira punctigera</i>	40					40		
<i>Thalassiosira</i> sp. (tiny)								20
<i>Thalassiosira</i> spp.	80	100	80	40	80	240	20	60
Tintinnida	40				120	40	20	140
Unarmoured dinoflagellate				40	40			20
14-Feb-06								
<i>Actinopterychus senarius</i>	20							
<i>Alexandrium fundyense</i>	40							
<i>Alexandrium fundyense</i> (cyst)	40							
<i>Amphidinium carterae</i>	40							20
Armoured dinoflagellate								20
<i>Asterionellopsis glacialis</i>	20							40
Centric diatom	20	40						20
<i>Ceratium lineatum</i>	20							
<i>Ceratium macroceros</i>		20						
<i>Chaetoceros decipiens</i>								20
<i>Chaetoceros</i> spp. (Hyalochaete)							20	
<i>Chaetoceros</i> spp. (Phaeoceros)								20
<i>Commation cryoporinum</i>							40	
<i>Corethron hystrix</i>	20	20						
<i>Coscinodiscus</i> spp.		20						
<i>Cylindrotheca closterium</i>	600	460					360	800
<i>Dictyocha fibula</i>		20						
<i>Dictyocha speculum</i>	20						20	
<i>Ditylum brightwellii</i>								20
<i>Guinardia delicatula</i>	40	40						
<i>Gyrodinium</i> spp.								20
<i>Helicotheca tamesis</i>	20							
<i>Laboea</i> sp.	20	20						40
<i>Leptocylindrus minimus</i>	20	40						20
<i>Mesodinium rubrum</i>	420	400					1040	820
<i>Navicula distans</i>	20	20					40	20
<i>Paralia sulcata</i>		20						
Pennate diatom	20	120					60	160
<i>Pleurosigma</i> / <i>Gyrosigma</i>							20	
<i>Pleurosigma angulatum</i>		20						
<i>Pseudo-nitzschia delicatissima</i> group	360	420					260	900

14-Feb-06 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Skeletonema costatum</i>	160	40					20	80
<i>Thalassionema nitzschioides</i>		20						
<i>Thalassiosira gravida</i>								20
<i>Thalassiosira punctigera</i>	20							
<i>Thalassiosira</i> sp. (tiny)	20							20
<i>Thalassiosira</i> spp.	40	20						80
Tintinnida	20	20						140
Unarmoured dinoflagellate	20						20	20
14-Mar-06								
<i>Actinopterychus senarius</i>								40
<i>Alexandrium fundyense</i>			20					20
<i>Alexandrium fundyense</i> (cyst)								20
Armoured dinoflagellate	40		60	160			80	40
<i>Asterionellopsis glacialis</i>	20	120	40	80		40	80	40
Centric diatom	20	40	80				60	
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>							20	
<i>Chaetoceros similis</i>								20
<i>Chaetoceros socialis</i>	20	160						
<i>Chaetoceros</i> spp. (Hyalochaete)	120	360	20				100	120
<i>Commation cryoporinum</i>				80				20
Copepoda							20	
<i>Corethron hystrix</i>						40		20
<i>Coscinodiscus</i> spp.	20							
<i>Cylindrotheca closterium</i>	2780	4880	1400	2440	3240	2760	1240	2100
<i>Cylindrotheca gracilis</i>	20	80						
<i>Dictyocha speculum</i>	60		20					20
<i>Dinobryon</i> spp.							20	
<i>Ditylum brightwellii</i>	40	40	20		40		20	20
<i>Eutreptiella</i> sp.	100		60	320	40	40	60	120
<i>Gyrodinium</i> spp.	40			280		40	20	
<i>Gyrosigma fasciola</i>	40	40			40			
<i>Heterocapsa triquetra</i>			20					
<i>Laboea</i> sp.							120	
<i>Leptocylindrus minimus</i>	100	280	40					20
<i>Licmophora</i> spp.	20							20
<i>Mediopyxis helysia</i>								20
<i>Mesodinium rubrum</i>	980	400	2120	600			2040	1180
<i>Navicula distans</i>	20				40	160	20	
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>		80	20	40		80		
<i>Odontella aurita</i>								20
<i>Paralia sulcata</i>		40						
Pennate diatom	340	600	320	600	520	480		100
<i>Phaeocystis pouchetii</i>		120						
<i>Pleurosigma angulatum</i>	20	40				80		
<i>Pleurosigma strigosum</i>					40			
<i>Porosira glacialis</i>	40							
<i>Pseudo-nitzschia delicatissima</i> group	2140	8960	1580	2320	1600	1280	1240	3220
<i>Pseudo-nitzschia seriata</i> group								40
<i>Skeletonema costatum</i>	200	1440	200	160	360	320	60	540
<i>Thalassionema nitzschioides</i>			20					
<i>Thalassiosira gravida</i>		80						
<i>Thalassiosira nordenskiöldii</i>		40					20	

14-Mar-06 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Thalassiosira</i> sp. (tiny)	160	280		40	80			80
<i>Thalassiosira</i> spp.	160	40	40	240	40	320	120	300
Tintinnida	340	200	160	280		40	360	380
Unarmoured dinoflagellate	20	160	100	120			80	100
25-Apr-06								
<i>Alexandrium fundyense</i>	60	200	80	144	120			40
<i>Alexandrium fundyense</i> (duplet)	40	40	20		40			
<i>Alexandrium ostenfeldii</i>	20							
<i>Amphidinium carterae</i>	40	40	40					
<i>Amphidinium sphenoides</i>		40	20		40			40
Armoured dinoflagellate	240	260	120		40	40		280
<i>Asterionellopsis glacialis</i>					80	40	144	80
<i>Aulacoseira ambigua</i>						40		
<i>Biddulphia alternans</i>	40							
Centric diatom					40			
<i>Ceratium tripos</i>	40							
<i>Chaetoceros contortus</i>						40		40
<i>Chaetoceros convolutus</i> / <i>concavicornis</i>	80	20						
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	40	40	20				1008	120
<i>Chaetoceros debilis</i>	160		60				1296	600
<i>Chaetoceros diadema</i>	80			144	120		432	400
<i>Chaetoceros furcellatus</i>	120		40	576	760	200	5472	3680
<i>Chaetoceros pseudocrinitus</i>							144	
<i>Chaetoceros simplex</i>			20					
<i>Chaetoceros socialis</i>	200	20	220	1152			8064	4520
<i>Chaetoceros</i> spp. (Hyalochaete)	440	140	220	3600	1360	120	9936	2200
<i>Chaetoceros</i> spp. (Phaeoceros)				144	40	40		
<i>Chaetoceros teres</i>					40		288	120
<i>Commation cryoporinum</i>		60			120		144	
<i>Corethron hystrix</i>		20						
<i>Coscinodiscus centralis</i>		120	20					
<i>Coscinodiscus</i> spp.						40		
<i>Cylindrotheca closterium</i>	1240	600	380	1872	640	160	576	320
<i>Dactyliosolen fragilissimus</i>					40			
<i>Dictyocha speculum</i>		60	40			40		
<i>Dinophysis acuminata</i>		20						
<i>Dinophysis norvegica</i>								40
<i>Ditylum brightwellii</i>	40	20	20	144		40		40
<i>Eucampia zodiacus</i>		20				80		
<i>Eutreptiella</i> sp.	680	800	600	720			288	200
<i>Gyrodinium</i> spp.	440	300	220	576	280	240	144	400
<i>Heterocapsa triquetra</i>	40	40	60					40
<i>Laboea</i> sp.	360	200	320					200
<i>Lauderia annulata</i>				720				
<i>Lennoxia faveolata</i>		20						
<i>Leptocylindrus minimus</i>	400	180	140		80		432	320
<i>Licmophora</i> spp.	80		20					
<i>Mesodinium rubrum</i>	840	1600	1680	432	320	40	1296	1400
<i>Navicula distans</i>	40	60	20		40	40		
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>				144				
<i>Odontella aurita</i>				144				
<i>Parafavella</i> spp.		40						

25-Apr-06 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Paralia sulcata</i>	40							
Pennate diatom	920	240	220	432	400	80	144	
<i>Phaeocystis pouchetii</i>	40		120	576	80		14544	3400
<i>Pleurosigma</i> / <i>Gyrosigma</i>		20						
<i>Pleurosigma strigosum</i>					40			
<i>Porosira glacialis</i>	280	60	180		200		576	480
<i>Prorocentrum minimum</i>	80	20	40					
<i>Protoperidinium bipes</i>							288	40
<i>Pseudo-nitzschia delicatissima</i> group	5360	4580	3940	14688	2720	200	32112	6280
<i>Pseudo-nitzschia pseudodelicatissima</i>					40	120		
<i>Ptychocylis</i> spp.		80	40					
<i>Rhizosolenia hebetata</i> f. <i>semispina</i>				288		80		
<i>Rhizosolenia setigera</i>		40						
<i>Skeletonema costatum</i>	400	360	560	432	120	40	1440	120
<i>Tabellaria</i> spp.	40		60					
<i>Thalassionema nitzschioides</i>			120			80		
<i>Thalassiosira anguste-lineata</i>				144			576	40
<i>Thalassiosira baltica</i>								40
<i>Thalassiosira bioculata</i> var. <i>exigua</i>					40			
<i>Thalassiosira gravida</i>	40			144	160			40
<i>Thalassiosira nordenskiöldii</i>	480	60	260	5472	7400	160	10944	6400
<i>Thalassiosira punctigera</i>	40			144				
<i>Thalassiosira</i> sp. (tiny)	40							
<i>Thalassiosira</i> spp.	880	200	300	22752	3120	520	6480	4200
Tintinnida	1080	1660	2400	576	200	40	1008	600
<i>Tintinnopsis</i> spp.		20					144	
Unarmoured dinoflagellate	880	560	1100	720	200	120	1440	720
1-May-06								
<i>Alexandrium fundyense</i>	240	40		40	20	40		
<i>Alexandrium fundyense</i> (duplet)		20						
<i>Alexandrium ostenfeldii</i>	20	60					80	80
<i>Alexandrium pseudogonyaulax</i>	20							
<i>Amphidinium carterae</i>	20			40	40			
<i>Amphidinium sphenoides</i>	20	80	320	200	40			80
Armoured dinoflagellate	240	200	160	240	80		240	80
<i>Asterionellopsis glacialis</i>				40	80	100	160	320
<i>Brachionus</i> spp.							80	
Centric diatom						40		
<i>Ceratium tripos</i>			80					
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>		60	160	160	20		320	160
<i>Chaetoceros debilis</i>	20	80	720	600	40	60	1440	1360
<i>Chaetoceros diadema</i>							240	
<i>Chaetoceros didymus</i>			80					
<i>Chaetoceros furcellatus</i>	20			80	20	120	480	560
<i>Chaetoceros laciniatus</i>		20					160	
<i>Chaetoceros radicans</i>								80
<i>Chaetoceros similis</i>		20						
<i>Chaetoceros simplex</i>					20			
<i>Chaetoceros socialis</i>		580	8000	3440	120		18480	3360
<i>Chaetoceros</i> spp. (Hyalochaete)	40	300	160	520	220	200	1280	720
<i>Chaetoceros</i> spp. (Phaeoceros)					20			
<i>Chaetoceros teres</i>			80	40	20	20	160	160

1-May-06 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Commatia cryoporinum</i>	20	20	320	40	40			
Copepoda								80
<i>Corethron hystrix</i>	20						80	
<i>Coscinodiscus centralis</i>			80					
<i>Coscinodiscus</i> spp.	20							
<i>Cylindrotheca closterium</i>	320	220	480	400	540	400	320	320
<i>Dictyocha speculum</i>	120	100			20	20		
<i>Dinobryon</i> spp.							80	
<i>Dinophysis acuminata</i>			80					
<i>Ditylum brightwellii</i>	60			40	180			
<i>Eucampia zodiacus</i>			80	120		20		
<i>Eutreptiella</i> sp.	380	300	880	120	40		240	560
<i>Gyrodinium</i> spp.	300	420	1040	360	180	80	800	640
<i>Heterocapsa triquetra</i>	60	80		80				
<i>Laboea</i> sp.	180	100	400					160
<i>Leptocylindrus danicus</i>			160					
<i>Leptocylindrus minimus</i>	180	200	320	440	160	80	960	400
<i>Mediopyxis helysia</i>						40		
<i>Mesodinium rubrum</i>	1620	3900	5760	160	120	80	1200	3280
<i>Navicula distans</i>					20	20		
<i>Odontella aurita</i>				40	40	20	80	80
<i>Parafavella</i> spp.				40				
<i>Paralia sulcata</i>	20					40		
Pennate diatom	100	120		560	200	60	480	320
<i>Phaeocystis pouchetii</i>	180	320	5680	3560	1000	140	10960	7360
<i>Porosira glacialis</i>	120	320	800	760	120	120	1600	240
<i>Prorocentrum minimum</i>		40					80	
<i>Protoperidinium bipes</i>		40					80	80
<i>Protoperidinium denticulatum</i>							160	
<i>Protoperidinium</i> spp.	40	40			20	20		
<i>Pseudo-nitzschia delicatissima</i> group	1480	1720	11920	7560	3420	1540	9440	4480
<i>Ptychocylis</i> spp.	40			40				
<i>Rhizosolenia hebetata</i> f. <i>semispina</i>							80	
<i>Scrippsiella trochoidea</i>	60							
<i>Skeletonema costatum</i>	20		80	40	20	60		
<i>Thalassiosira anguste-lineata</i>		40		160				
<i>Thalassiosira gravis</i>	40	80	160	360			400	80
<i>Thalassiosira nordenskiöldii</i>	160	280	4080	4160	340	300	12640	7760
<i>Thalassiosira punctigera</i>					20			
<i>Thalassiosira</i> spp.	220	340	1920	3640	960	460	1840	2080
Tintinnida	2520	3900	3680	360	80	100	880	800
<i>Tintinnopsis</i> spp.	20	20						
Unarmoured dinoflagellate	1220	1040	1040	600	100	60	2080	1040
9-May-06								
<i>Alexandrium fundyense</i>	460	180	140			40		880
<i>Alexandrium fundyense</i> (duplet)	20	20						80
<i>Alexandrium fundyense</i> (triplet)	20							
<i>Alexandrium ostenfeldii</i>	40		20					160
<i>Amphidinium carterae</i>								80
<i>Amphidinium sphenoides</i>	80	60	20	140	40			240
<i>Apedinella radians</i>								80
Armoured dinoflagellate	140	480	120	20	40	20	360	720
<i>Asterionellopsis glacialis</i>		20		20	40			160

9-May-06 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Brachionus</i> spp.								80
<i>Chaetoceros contortus</i>					20	20	40	960
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	20	120	20	200	40	40	280	160
<i>Chaetoceros debilis</i>	120	40	380	420			880	2880
<i>Chaetoceros decipiens</i>					60			
<i>Chaetoceros diadema</i>				20	20			80
<i>Chaetoceros furcellatus</i>	20	20			60	60	40	80
<i>Chaetoceros laciniosus</i>	20		20					240
<i>Chaetoceros pseudocrinitus</i>			40	40			40	160
<i>Chaetoceros pseudocrinitus</i> / <i>furcellatus</i>							1280	
<i>Chaetoceros socialis</i>		260		240	40	60	1440	1920
<i>Chaetoceros</i> spp. (Hyalochaete)	20	160	160	280	100	20		8800
<i>Chaetoceros</i> spp. (Phaeoceros)				20				
<i>Chaetoceros teres</i>			60		20		200	80
<i>Commatia cryoporinum</i>	20	20	40	60				
Copepoda							40	80
<i>Corethron hystrix</i>								80
<i>Coscinodiscus</i> spp.	40	20		40		20		160
<i>Cylindrotheca closterium</i>	160	200	320	500	260	340		160
<i>Dictyocha speculum</i>	80	140	140	40				
<i>Dinophysis acuminata</i>		20						
<i>Eucampia zodiacus</i>	40			60			160	160
<i>Eutreptiella</i> sp.	580	460	600	120			160	1040
<i>Gyrodinium</i> spp.	440	420	420	240	100		360	160
<i>Heterocapsa triquetra</i>	140	160	80					160
<i>Laboea</i> sp.	240	440	60	20			80	480
<i>Leptocylindrus danicus</i>	20				80		160	
<i>Leptocylindrus minimus</i>	60	40	20	180	60	40	720	
<i>Mediopyxis helysia</i>						20		
<i>Membraneis challengerii</i>						40		
<i>Mesodinium rubrum</i>	7960	660	1760	40			1320	3200
<i>Navicula distans</i>	20			40		60		
<i>Parafavella</i> spp.		20						
<i>Paralia sulcata</i>						40		
Pennate diatom		60	20	40	40			
<i>Phaeocystis pouchetii</i>				2100	180	100	560	240
<i>Pleurosigma</i> / <i>Gyrosigma</i>						40		
<i>Porosira glacialis</i>	80	60	100	40	120	20	160	80
<i>Prorocentrum minimum</i>								80
<i>Protoperidinium bipes</i>			20	20			40	80
<i>Protoperidinium brevipes</i>								160
<i>Protoperidinium denticulatum</i>							40	
<i>Protoperidinium</i> spp.	20			20				80
<i>Pseudo-nitzschia delicatissima</i> group	440	520	100	1220	340	380	1840	480
<i>Ptychocylis</i> spp.	20			20				80
<i>Rhizosolenia hebetata</i> f. <i>semispina</i>	20			20	20	20		
<i>Scrippsiella trochoidea</i>	60	40						80
<i>Skeletonema costatum</i>					20	60		
<i>Thalassiosira anguste-lineata</i>		40		60			160	
<i>Thalassiosira bioculata</i> var. <i>exigua</i>				40			40	
<i>Thalassiosira gravida</i>		20	20	140		20	80	80
<i>Thalassiosira nordenskiöldii</i>	440	160	200	980	360	220	4400	10080

9-May-06 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Thalassiosira</i> spp.	420	140	120	400	300	240	1600	2880
Tintinnida	9380	980	420	60	20	20	1000	1120
<i>Tintinnopsis</i> spp.		20			20	20		
Unarmoured dinoflagellate	660	900	860	100	60	20	840	2080
16-May-06								
<i>Alexandrium fundyense</i>	60	240	160	60	40	20	20	63
<i>Alexandrium ostenfeldii</i>		20		20				
<i>Amphidinium carterae</i>	20		80	60				63
<i>Amphidinium spheonoides</i>		60	200	100			40	378
<i>Apedinella radians</i>			40					63
Armoured dinoflagellate	120	300	880	480	60	20	140	756
<i>Asterionellopsis glacialis</i>		20			20			126
<i>Attheya</i> spp.							20	
<i>Aulacoseira ambigua</i>						20		
<i>Biddulphia alternans</i>						20		
<i>Brachionus</i> spp.			40					
Centric diatom	20				20			
<i>Ceratium lineatum</i>					20			
<i>Ceratium longipes</i>					20			
<i>Chaetoceros contortus</i>				80	60	20	60	441
<i>Chaetoceros convolutus</i>				60				
<i>Chaetoceros convolutus</i> / <i>concauicornis</i>						20		
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	160	300	200	180	140	80	80	63
<i>Chaetoceros debilis</i>	140	100	320	400	380	40	380	3465
<i>Chaetoceros decipiens</i>				60			40	63
<i>Chaetoceros diadema</i>								63
<i>Chaetoceros furcellatus</i>	160		40	120	220	300	80	2394
<i>Chaetoceros laciniosus</i>					20			504
<i>Chaetoceros simplex</i>	40	40	80	40				
<i>Chaetoceros socialis</i>	40	40		20	20			1638
<i>Chaetoceros</i> spp. (Hyalochaete)	100	180	320	280	240	40	620	3087
<i>Chaetoceros subtilis</i>	20							
<i>Chaetoceros teres</i>	20							63
<i>Commation cryoporinum</i>		40	120	40	60	40	20	
Copepoda		20						
<i>Corethron hystrix</i>			40		20	20		
<i>Coscinodiscus</i> spp.			80		20	60	20	
<i>Cylindrotheca closterium</i>	1780	2360	4120	3400	1520	1160	320	1197
<i>Dactyliosolen fragilissimus</i>		140						
<i>Dictyocha fibula</i>						20		
<i>Dictyocha speculum</i>	140	200	240	80	20	20	20	315
<i>Dinobryon</i> spp.		20						
<i>Dinophysis rotundata</i>		20						
<i>Ditylum brightwellii</i>	20	20			60	20		
<i>Eucampia zodiacus</i>				20			60	315
<i>Eutreptiella</i> sp.	400	400	1040	540	180	60	620	1323
<i>Guinardia delicatula</i>								63
<i>Gyrodinium</i> spp.	440	600	280	380	380	140	80	189
<i>Gyrosigma fasciola</i>	20							
<i>Heterocapsa triquetra</i>	60	140	320	80	20		100	63
<i>Laboea</i> sp.	200	620	600	480	20		20	693
<i>Leptocylindrus danicus</i>	20			20	40	20	140	63

16-May-06 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Leptocylindrus minimus</i>	400	640	1120	420	340	220	360	126
<i>Licmophora</i> spp.	40	20						
<i>Mediopyxis helysia</i>		20	40		100	60		
<i>Membraneis challengerii</i>						20		63
<i>Mesodinium rubrum</i>	2220	3260	6680	480	160	60	980	4914
<i>Navicula distans</i>		120	120	60	60		20	
<i>Notholca</i> spp.	20							
<i>Parafavella</i> spp.				20				
<i>Paralia sulcata</i>				20	20	40		
Pennate diatom	460	400	880	320	200	220	320	945
<i>Pleurosigma</i> / <i>Gyrosigma</i>	20	20					20	
<i>Porosira glacialis</i>	140	200	120	80	100	100	20	
<i>Preperidinium meuneri</i>				20				
<i>Prorocentrum minimum</i>		20	200	20			20	
<i>Protoperidinium bipes</i>	20	60	40	20				126
<i>Protoperidinium brevipes</i>			80					63
<i>Protoperidinium depressum</i>		20						
<i>Protoperidinium ovatum</i>		20						
<i>Protoperidinium</i> spp.			40					
<i>Protoperidinium steinii</i>		20						
<i>Pseudo-nitzschia delicatissima</i> group	640	740	960	1320	500	360	780	945
<i>Ptychocyclus</i> spp.			40	80		20		126
<i>Rhizosolenia setigera</i>	20							
<i>Scrippsiella trochoidea</i>	60			40				
<i>Skeletonema costatum</i>	80	40	80	280	300	480		63
<i>Thalassiosira anguste-lineata</i>				60	20			
<i>Thalassiosira gravis</i>	140	140		80	60	20	100	63
<i>Thalassiosira nordenskioeldii</i>	80		40	120		60	100	1512
<i>Thalassiosira punctigera</i>		20			20			
<i>Thalassiosira</i> sp. (tiny)				20		20		
<i>Thalassiosira</i> spp.	480	520	720	900	900	360	180	1323
Tintinnida	2500	2120	8120	1980	200	100	5180	1386
<i>Tintinnopsis</i> spp.	80	20	40	60	20	40	20	126
Unarmoured dinoflagellate	420	740	1080	400	140	60	340	504
23-May-06								
<i>Alexandrium fundyense</i>	360	640	420				160	400
<i>Alexandrium fundyense</i> (duplet)	40	40	60					
<i>Alexandrium fundyense</i> (quadruplet)			20					
<i>Alexandrium ostenfeldii</i>			20					
<i>Amphidinium carterae</i>	20	120	20					
<i>Amphidinium sphenoides</i>	100	120	40	80	40		280	720
<i>Apedinella radians</i>	160	160	140	280			40	
Armoured dinoflagellate	660	680	500	240			720	2800
<i>Asterionellopsis glacialis</i>					40	40	40	
<i>Attheya</i> spp.							320	80
<i>Brachionus</i> spp.	20							80
<i>Cerataulina pelagica</i>							40	
<i>Ceratium longipes</i>	20					40		
<i>Ceratium</i> spp.				40				
<i>Chaetoceros contortus</i>	20	40	20	200	40		2720	880
<i>Chaetoceros convolutus</i>					40		160	
<i>Chaetoceros convolutus</i> / <i>concauicornis</i>		40						

23-May-06 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	60	120	260				120	160
<i>Chaetoceros debilis</i>	100	40	340	160	120		6720	8400
<i>Chaetoceros decipiens</i>			20	80	80		40	80
<i>Chaetoceros furcellatus</i>							40	
<i>Chaetoceros laciniosus</i>				120			240	400
<i>Chaetoceros pseudobrevis</i>				40				
<i>Chaetoceros pseudocrinitus</i>							1120	720
<i>Chaetoceros radicans</i>					40		120	80
<i>Chaetoceros similis</i>	20		40	40				
<i>Chaetoceros simplex</i>	20		80					
<i>Chaetoceros socialis</i>	20						280	320
<i>Chaetoceros</i> spp. (Hyalochaete)	260	80	380	2040	520	240	4880	4400
<i>Chaetoceros</i> spp. (Phaeoceros)							40	
<i>Chaetoceros teres</i>							40	
<i>Commation cryoporinum</i>			60	80	120			
<i>Coscinodiscus</i> spp.		40	20				40	80
<i>Cylindrotheca closterium</i>	2020	1160	2460	2080	1000	720	1000	1360
<i>Dictyocha speculum</i>	80	280	160	80			160	400
<i>Dinophysis acuminata</i>			20					
<i>Dinophysis pulchella</i>	20							
<i>Ditylum brightwellii</i>				40		80		
<i>Eucampia zodiacus</i>				40	40		200	80
<i>Eutreptiella</i> sp.	440		480	40			360	2640
<i>Gyrodinium</i> spp.	460	1640	440	40	40	160	360	
<i>Helicostomella</i> spp.								80
<i>Heterocapsa triquetra</i>	100	200	240				160	960
<i>Laboea</i> sp.	200	80	100	40			80	400
<i>Leptocylindrus danicus</i>	20		40	120			360	880
<i>Leptocylindrus minimus</i>	500	760	560	120			520	1200
<i>Licmophora</i> spp.	20							
<i>Mediopyxis helysia</i>						40		
<i>Membraneis challengerii</i>			40					
<i>Mesodinium rubrum</i>	3540	41920	1820	240	80	40	3080	21200
<i>Micracanthodinium claytonii</i>				40	40			
<i>Navicula distans</i>				40				
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>						40		
<i>Paralia sulcata</i>					120	80		
Pennate diatom	340	40	100	160	200	80	240	400
<i>Porosira glacialis</i>	60		100	120				
<i>Prorocentrum minimum</i>	100	80	40	40				560
<i>Protoperidinium bipes</i>	40		60	40				
<i>Protoperidinium brevipes</i>	40		20					80
<i>Protoperidinium denticulatum</i>			20					
<i>Protoperidinium depressum</i>			20					
<i>Protoperidinium</i> spp.	20	80	20	40				80
<i>Pseudo-nitzschia delicatissima</i> group	380	520	620	880	240	320	480	880
<i>Ptychocylis</i> spp.		40	20					
<i>Rhizosolenia hebetata</i> f. <i>semispina</i>							40	
<i>Scrippsiella</i> sp.								240
<i>Scrippsiella trochoidea</i>	20	40	40				160	480
<i>Skeletonema costatum</i>	60	200	340	120	40	40	80	80
<i>Thalassionema nitzschioides</i>			40	40	40	80		

23-May-06 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Thalassiosira gravida</i>		40			80		40	
<i>Thalassiosira punctigera</i>	20		20	40				
<i>Thalassiosira</i> spp.	560	160	820	1480	320	320	680	1840
Tintinnida	3240	10680	1260	560	360	40	480	1600
<i>Tintinnopsis</i> spp.	60							
Unarmoured dinoflagellate	1380	3720	660	440	120	40		2160
30-May-06								
<i>Alexandrium fundyense</i>	480	80	400	432			720	240
<i>Alexandrium fundyense</i> (duplet)	40						160	
<i>Alexandrium ostenfeldii</i>			120	144			80	
<i>Amphidinium carterae</i>			40					
<i>Amphidinium sphenoides</i>			200	288	80			80
<i>Apedinella radians</i>	600	280	920	1584	40			320
Armoured dinoflagellate	720	400	960	1296	120	80	880	960
<i>Asterionellopsis glacialis</i>					240	160	80	160
<i>Attheya</i> spp.	80	40					1680	800
<i>Brachionus</i> spp.		40					80	
<i>Cerataulina pelagica</i>							160	240
<i>Ceratium longipes</i>							80	
<i>Chaetoceros contortus</i>	40	40	40	144	40		80	480
<i>Chaetoceros convolutus</i>	40							
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	1280	480	1080		80		320	320
<i>Chaetoceros debilis</i>	1760	720	2080	1296	2400	160	9120	59534
<i>Chaetoceros decipiens</i>	240	80	40		120			
<i>Chaetoceros diadema</i>			40					
<i>Chaetoceros didymus</i>				144				
<i>Chaetoceros furcellatus</i>			40					
<i>Chaetoceros laciniosus</i>							80	320
<i>Chaetoceros pseudobrevis</i>						40		
<i>Chaetoceros pseudocrinatus</i>	40							160
<i>Chaetoceros similis</i>	440	360	200					
<i>Chaetoceros simplex</i>	120						160	
<i>Chaetoceros socialis</i>	120	160	160		360			320
<i>Chaetoceros</i> spp. (Hyalochaete)	2160	1160	1720	6192	2720	200	1520	2560
<i>Chaetoceros</i> spp. (Phaeoceros)				144	40			
<i>Chaetoceros teres</i>			40					
<i>Commatia cryoporinum</i>		80	200	288	120	40	80	
Copepoda						80		
<i>Corethron hystrix</i>				144	40			
<i>Coscinodiscus</i> spp.	80		40		40		80	
<i>Cylindrotheca closterium</i>	8680	9760	12440	8640	9480	2480	3360	4080
<i>Dactyliosolen fragilissimus</i>	120	40						
<i>Dictyocha speculum</i>	240	40	160	432	120		160	480
<i>Dinophysis acuminata</i>		40						80
<i>Ditylum brightwellii</i>			120	144	120			
<i>Ebria tripartita</i>				144			160	
<i>Eucampia zodiacus</i>	200	40	160				160	240
<i>Eutreptiella</i> sp.	600	160	440	1728	40		640	1920
<i>Guinardia delicatula</i>	400	40					720	320
<i>Gyrodinium</i> spp.	360	400	760	1152	320		240	320
<i>Helicostomella</i> spp.							800	
<i>Heterocapsa triquetra</i>	880	40	680	1296			4400	400

30-May-06 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Laboea</i> sp.							160	320
<i>Lennoxia faveolata</i>				144				
<i>Leptocylindrus danicus</i>	680	80	160	1584	40	40	640	2720
<i>Leptocylindrus minimus</i>	4320	3160	3040	1872	560	80	880	1600
<i>Licmophora</i> spp.				144				
<i>Mediopyxis helysia</i>	40	120			40	120		
<i>Membraneis challengerii</i>			40		40			
<i>Mesodinium rubrum</i>	840	520	3560	2160	120		9040	4480
<i>Navicula distans</i>	80	160			120	40		80
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>					160			
<i>Paralia sulcata</i>						40		
Pennate diatom	240	480	280	864	120	320	480	720
<i>Pleurosigma</i> / <i>Gyrosigma</i>							80	
<i>Porosira glacialis</i>	200	320	120					80
<i>Preperidinium meuneri</i>				144				
<i>Prorocentrum minimum</i>	80	160	200	576	40		80	80
<i>Prorocentrum</i> sp. (small)			40		40		160	80
<i>Protoperidinium bipes</i>	160	40	600	288	40		80	
<i>Protoperidinium brevipes</i>							80	
<i>Protoperidinium</i> spp.	40		80	144	40			80
<i>Pseudo-nitzschia delicatissima</i> group	6880	5280	7920	6624	3960	280	2880	1360
<i>Pseudo-nitzschia pseudodelicatissima</i>			40					
<i>Rhizosolenia hebetata</i> f. <i>semispina</i>					80			
<i>Scrippsiella</i> sp.							480	
<i>Scrippsiella trochoidea</i>	40	40	240	432			480	
<i>Skeletonema costatum</i>	2480	1480	2880	144	800		4160	800
<i>Thalassionema nitzschioides</i>	40							
<i>Thalassiosira anguste-lineata</i>	240	200	160		320			240
<i>Thalassiosira bioculata</i> var. <i>exigua</i>					40			
<i>Thalassiosira gravida</i>	280	40	40			40	160	
<i>Thalassiosira punctigera</i>								80
<i>Thalassiosira</i> sp. (tiny)				144				
<i>Thalassiosira</i> spp.	3680	2120	3120	5184	4480	760	2800	2640
Tintinnida	6800	3080	2440	3312	320	120	4160	960
<i>Tintinnopsis</i> spp.					80	40	320	
Unarmoured dinoflagellate	1080	400	960	576	240		400	560
6-Jun-06								
<i>Acanthostomella norvegica</i>					40			
<i>Alexandrium fundyense</i>	8320	3440	3000				80	576
<i>Alexandrium fundyense</i> (duplet)	1200	240	400					
<i>Alexandrium fundyense</i> (quadruplet)	80							
<i>Alexandrium ostenfeldii</i>	80		160					144
<i>Amphidinium carterae</i>			80		40		40	
<i>Amphidinium spheonoides</i>	240	320		432				
<i>Apedinella radians</i>	6400	1040	2840	3168	40			1440
Armoured dinoflagellate	4160	3600	2360	144	40		720	3024
<i>Asterionellopsis glacialis</i>		80			40		40	
<i>Attheya</i> spp.								288
<i>Brachionus</i> spp.	80							144
Centric diatom					40			
<i>Cerataulina pelagica</i>								2736
<i>Ceratium longipes</i>	80	80	200					

6-Jun-06 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Chaetoceros contortus</i>					40	80		864
<i>Chaetoceros convolutus</i>			40					288
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	400	400	320					432
<i>Chaetoceros danicus</i>							80	
<i>Chaetoceros debilis</i>	240	80	80	288	120	160	2080	74851
<i>Chaetoceros furcellatus</i>						40		
<i>Chaetoceros lacinosus</i>					200		80	720
<i>Chaetoceros similis</i>	320	160	40	144	80			144
<i>Chaetoceros simplex</i>	240							144
<i>Chaetoceros socialis</i>								432
<i>Chaetoceros</i> spp. (Hyalochaete)	400	400	160	1296	2880	520	640	8928
<i>Chaetoceros subtilis</i>	80							
<i>Commatia cryoporinum</i>		80			40			432
<i>Corethron hystrix</i>			40					
<i>Coscinodiscus</i> spp.	80	320	80		40			
<i>Cylindrotheca closterium</i>	6240	11920	4240	17568	3960	2600	1160	4320
<i>Dactylosolen fragilissimus</i>		80		288	40			
<i>Dictyocha speculum</i>	560	400	320	864			40	
<i>Dinobryon</i> spp.			40				40	
<i>Dinophysis acuminata</i>	80		80					144
<i>Dinophysis norvegica</i>			80					
<i>Ditylum brightwellii</i>			40			80		
<i>Ebria tripartita</i>	80							576
<i>Eucampia zodiacus</i>	80	640	40				200	576
<i>Eutreptiella</i> sp.	30400	23120	26640	864	40		1240	7056
<i>Guinardia delicatula</i>					80	80	80	432
<i>Gyrodinium aureolum</i>			40					
<i>Gyrodinium</i> spp.	4000	2720	2240	1872	40		40	720
<i>Helicostomella</i> spp.	240						40	1008
<i>Heterocapsa triquetra</i>	4000	5600	1360	288			600	5184
<i>Laboea</i> sp.	640	640	1160				40	288
<i>Leimoxia faveolata</i>					40			
<i>Leptocylindrus danicus</i>				144	240	40	40	1440
<i>Leptocylindrus minimus</i>	400	640	160	288	40	80	440	432
<i>Licmophora</i> spp.		80						
<i>Mediopyxis helysia</i>					40	80		
<i>Membraneis challengerii</i>				144		40		
<i>Meringosphaera mediterranea</i>					80			
<i>Mesodinium rubrum</i>	23040	15520	10440	864			1240	5040
<i>Navicula distans</i>					40	40		
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>					80	80		
<i>Paralia sulcata</i>				144				
Pennate diatom	80	80	40	720	400	280	120	
<i>Porosira glacialis</i>					80			
<i>Preperidinium meuneri</i>			240					
<i>Prorocentrum minimum</i>	400	1040	200	288	40		40	1008
<i>Prorocentrum</i> sp. (small)			40					
<i>Protoperidinium bipes</i>	560	80	160	720			40	
<i>Protoperidinium brevipes</i>	80							
<i>Protoperidinium denticulatum</i>								432
<i>Protoperidinium</i> spp.	80		280					144
<i>Pseudo-nitzschia delicatissima</i> group	2080	6640	3440	11376	1320	600	1000	3888

6-Jun-06 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Ptychocylis</i> spp.	320	80	120	144				
<i>Scrippsiella</i> sp.	560	160	200				120	
<i>Scrippsiella trochoidea</i>	960	720	400				120	
<i>Skeletonema costatum</i>	160	960	880	288	80	80	1560	5760
<i>Thalassionema nitzschioides</i>				144	40			
<i>Thalassiosira anguste-lineata</i>			120	288	40			
<i>Thalassiosira</i> sp. (tiny)					40			
<i>Thalassiosira</i> spp.	2480	2560	1120	3744	2720	720	840	2160
Tintinnida	42560	19360	3160	5328	40	80	3800	7920
<i>Tintinnopsis</i> spp.		80	40		160	80	40	
Unarmoured dinoflagellate	9280	6320	4400	1440	120	40	280	1728
13-Jun-06								
<i>Alexandrium fundyense</i>	440	1600	2720			40	20	3312
<i>Alexandrium fundyense</i> (duplet)	40	320	200					144
<i>Amphidinium carterae</i>		120						
<i>Amphidinium sphenoides</i>				40			20	
<i>Amylax triacantha</i>								144
<i>Apedinella radians</i>	880	1520	480	680			40	1584
Armoured dinoflagellate	480	440	840	240	120		120	3744
<i>Asterionellopsis glacialis</i>	40			40			20	
<i>Attheya</i> spp.	160						40	
<i>Aulacoseira ambigua</i>							20	
<i>Brachionus</i> spp.			40	40			20	144
Centric diatom				40				
<i>Cerataulina pelagica</i>	40		120	120			120	2592
<i>Ceratium longipes</i>	40	120			40			
<i>Chaetoceros contortus</i>			80				100	
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	240	480	280	40				
<i>Chaetoceros debilis</i>	1280	1160	2640	2320	1600		3340	29232
<i>Chaetoceros didymus</i>				40				
<i>Chaetoceros furcellatus</i>				40	40	40		
<i>Chaetoceros laciniosus</i>				80				144
<i>Chaetoceros pseudocrinitus</i>							20	
<i>Chaetoceros similis</i>	40	80	120				20	144
<i>Chaetoceros simplex</i>	40	40	80	80				144
<i>Chaetoceros socialis</i>				40				288
<i>Chaetoceros</i> spp. (Hyalochaete)	320	320	480	1680	840	120	260	2304
<i>Chrysochromulina parkeae</i>								144
<i>Commation cryoporinum</i>	120			80	120			
<i>Corethron hystrix</i>				40				
<i>Coscinodiscus</i> spp.	80					80		
<i>Cylindrotheca closterium</i>	10040	3520	6560	5360	2560	1560	1320	5040
<i>Dactyliosolen fragilissimus</i>	40		80	200				432
<i>Dictyocha speculum</i>	200	40	200	80	40		20	
<i>Dinophysis acuminata</i>				40	40			432
<i>Ebria tripartita</i>			40					432
<i>Eucampia zodiacus</i>	160	80	120				200	
<i>Eutimninus</i> sp.		80	160				20	
<i>Eutreptiella</i> sp.	2760	2040	1800	1520	320		740	7488
<i>Favella</i> spp.								144
<i>Guinardia delicatula</i>		160	120		40		120	1008
<i>Gyrodinium</i> spp.	320	200	520	520	80		40	432

13-Jun-06 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Helicostomella</i> spp.			40				80	4320
<i>Heterocapsa triquetra</i>	400	480	600		80	40	20	5760
<i>Laboea</i> sp.	280			880			60	432
<i>Leptocylindrus danicus</i>				160	40		80	
<i>Leptocylindrus minimus</i>	160	440	400	160	80		80	144
<i>Mediopyxis helysia</i>				80				
<i>Membraneis challengerii</i>				40				
<i>Mesodinium rubrum</i>	1520	320	1480	920			460	21888
<i>Navicula distans</i>	160			80	40	40	20	
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>				40	40	40		
<i>Paralia sulcata</i>					40			
Pennate diatom	200	40	240	40	160		120	
<i>Pleurosigma</i> / <i>Gyrosigma</i>	40						20	
<i>Pleurosigma angulatum</i>	40						20	
<i>Pleurosigma strigosum</i>							20	
<i>Porosira glacialis</i>	40	40						
<i>Preperidinium meuneri</i>	40		120					288
<i>Prorocentrum minimum</i>	40	160	40					1152
<i>Protoperidinium conicum</i>			40					
<i>Protoperidinium denticulatum</i>		40						
<i>Protoperidinium</i> spp.	120		120		40			144
<i>Protoperidinium steinii</i>				40				
<i>Pseudo-nitzschia delicatissima</i> group	1560	2800	2880	1920	720	240	760	
<i>Scrippsiella</i> sp.			80				20	
<i>Scrippsiella trochoidea</i>	40	560	1040				20	288
<i>Skeletonema costatum</i>	520	360	920	40	40		1400	2880
<i>Thalassiosira anguste-lineata</i>			40	40				
<i>Thalassiosira punctigera</i>	40	40		80			20	
<i>Thalassiosira</i> sp. (tiny)						40		
<i>Thalassiosira</i> spp.	960	520	240	1480	680	40	640	576
Tintinnida	920	480	240	2120	520	160	140	3888
<i>Tintinnopsis</i> spp.							60	
Unarmoured dinoflagellate	520	280	320	280	200		280	1152
20-Jun-06								
<i>Alexandrium fundyense</i>	480	1320	1000		40	40	315	
<i>Alexandrium fundyense</i> (duplet)	40	40					63	
<i>Amphidinium carterae</i>	40							
<i>Apedinella radians</i>	1480	200	2840	288				
Armoured dinoflagellate	760	680		144		40	315	1872
<i>Asterionellopsis glacialis</i>	80				40			
<i>Attheya</i> spp.							315	144
<i>Cerataulina pelagica</i>	80			432	40		1638	4320
<i>Ceratium longipes</i>	40							
<i>Chaetoceros contortus</i>								144
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	600	640					63	
<i>Chaetoceros debilis</i>	1960	1200	1440	3600	160		18396	57707
<i>Chaetoceros decipiens</i>	40							
<i>Chaetoceros laciniosus</i>	120	40						288
<i>Chaetoceros similis</i>	80	200						
<i>Chaetoceros simplex</i>		80						
<i>Chaetoceros socialis</i>							252	288
<i>Chaetoceros</i> spp. (Hyalochaete)	120	40		1440	320	120	126	1008

20-Jun-06 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Comnasion cryoporinum</i>		40				40		
Copepoda					40		63	
<i>Coscinodiscus</i> spp.				144				
<i>Cylindrotheca closterium</i>	13520	5400	7480	23616	3640	1200	2079	6336
<i>Dactyliosolen fragilissimus</i>	120						126	1008
<i>Dictyocha speculum</i>	80	160			40		189	
<i>Dinophysis acuminata</i>	40	40						144
<i>Dinophysis norvegica</i>		40						
<i>Ditylum brightwellii</i>	40				40	40		
<i>Ebria tripartita</i>	80			144			126	288
<i>Eucampia zodiacus</i>							189	432
<i>Eutimimus</i> sp.		40						
<i>Eutreptiella</i> sp.	2800	120	3840	1152	80			1872
<i>Guinardia delicatula</i>	160			288			567	3456
<i>Gyrodinium</i> spp.	280	920		144				864
<i>Helicostomella</i> spp.	80	120						432
<i>Heterocapsa triquetra</i>	720	240						1152
<i>Laboea</i> sp.	80							
<i>Leptocylindrus danicus</i>	40						63	432
<i>Leptocylindrus minimus</i>	400	640		144			63	288
<i>Licmophora</i> spp.					40			
<i>Membraneis challengerii</i>							63	
<i>Mesodinium rubrum</i>	1800	880	2560	144	80		2457	2448
<i>Navicula distans</i>	40						63	
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>					40			
<i>Odontella aurita</i>				144	40			
<i>Paralia sulcata</i>						40		
Pennate diatom	80	360		720	200		63	
<i>Pleurosigma</i> / <i>Gyrosigma</i>						40		
<i>Prorocentrum minimum</i>	240	40					126	432
<i>Prorocentrum</i> sp. (small)				144				
<i>Protoperidinium brevipes</i>		40						
<i>Protoperidinium</i> spp.	40	40						288
<i>Protoperidinium steinii</i>	40							
<i>Pseudo-nitzschia delicatissima</i> group	3320	10480	12320	12960	520	240	1134	1728
<i>Scrippsiella</i> sp.	80	80						144
<i>Scrippsiella trochoidea</i>	80	80						
<i>Skeletonema costatum</i>	1560	2720	3240	144		120	3087	576
<i>Thalassiosira anguste-lineata</i>	160							
<i>Thalassiosira punctigera</i>	40	40		144			63	
<i>Thalassiosira</i> sp. (tiny)					80			
<i>Thalassiosira</i> spp.	1440	1040	1960	2736	160	160	189	864
Tintinnida	1200	840	560		120	40	504	1728
Unarmoured dinoflagellate	600	400		288			126	720
27-Jun-06								
<i>Alexandrium fundyense</i>	1445	2601	2890	867			160	1544
<i>Alexandrium fundyense</i> (duplet)	289	578		289			80	
<i>Alexandrium ostenfeldii</i>		289						
<i>Amphidinium sphenoides</i>				289				
<i>Apedinella radians</i>				1156			360	193
Armoured dinoflagellate	2023	6936	2023	4046		80	40	579
<i>Asterionellopsis glacialis</i>	867	1734	2890	2312	1734			

27-Jun-06 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Attheya</i> spp.								386
<i>Aulacoseira ambigua</i>						40		
<i>Brachionus</i> spp.		289	578					
<i>Cerataulina pelagica</i>	289	578	578	578			280	
<i>Ceratium</i> spp.		578						
<i>Chaetoceros contortus</i>			867				40	772
<i>Chaetoceros convolutus</i>							40	
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	1156	3757	1734				80	
<i>Chaetoceros debilis</i>	4335	2890	2601	9248	289		2520	55488
<i>Chaetoceros decipiens</i>			289	289	289			
<i>Chaetoceros filiformis</i>	867	1156	1734				40	
<i>Chaetoceros laciniosus</i>	289	289	289	578				965
<i>Chaetoceros similis</i>	3468	6936	2601	289	289			193
<i>Chaetoceros simplex</i>	578	867					280	579
<i>Chaetoceros socialis</i>	289						160	386
<i>Chaetoceros</i> spp. (Hyalochaete)	1156	867	3179	10115	3757	1160	160	2316
<i>Commation cryporinum</i>	289				289			
<i>Cylindrotheca closterium</i>	9826	3179	1445	1445	16473	2200	3400	3860
<i>Dactyliosolen fragilissimus</i>	289		1156	2023			280	1544
<i>Dictyocha speculum</i>			289	289				
<i>Dinophysis acuminata</i>	289	1734		289				
<i>Ditylum brightwellii</i>				289		40		
<i>Eucampia zodiacus</i>	867	867	2601					
<i>Eutreptiella</i> sp.	1156	2601	867	578		40	880	772
<i>Guinardia delicatula</i>	867	1156	578	578	289	40	680	10808
<i>Gyrodinium</i> spp.	289	2023	867	2023				
<i>Gyrosigma fasciola</i>					289			
<i>Helicostomella</i> spp.		578						2509
<i>Heterocapsa triquetra</i>	578	11849	3757	578			200	2316
<i>Laboea</i> sp.			289	289			40	
<i>Leptocylindrus danicus</i>	289		289	289	578			
<i>Leptocylindrus minimus</i>	289						360	386
<i>Mediopyxis helysia</i>				289			40	
<i>Membraneis challengerii</i>			289	289				
<i>Mesodinium rubrum</i>	3468	7225	11560	867			2000	11194
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>				289				
Pennate diatom	578				289	160	120	386
<i>Porosira glacialis</i>			289	289	289			
<i>Prorocentrum minimum</i>	289	578	1156	289			40	386
<i>Protoperidinium bipes</i>	289		289					
<i>Protoperidinium</i> spp.								386
<i>Pseudo-nitzschia delicatissima</i> group	331772	716810	900018	1050021	216172	3960	440	4632
<i>Ptychocyclus</i> spp.		289						
<i>Rhizosolenia</i> spp.								193
<i>Scrippsiella</i> sp.	1734	289						
<i>Scrippsiella trochoidea</i>	867	1156						
<i>Skeletonema costatum</i>	70516	94214	117912	28033	11271	160	17160	7141
<i>Thalassionema nitzschioides</i>	289							
<i>Thalassiosira anguste-lineata</i>	289	289	578	1734				
<i>Thalassiosira bioculata</i> var. <i>exigua</i>						40		
<i>Thalassiosira gravida</i>	289	289		867				
<i>Thalassiosira punctigera</i>						40		

27-Jun-06 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Thalassiosira</i> sp. (tiny)				2890	1445			
<i>Thalassiosira</i> spp.	10115	15895	10982	27455	10404	240	840	193
Tintinnida	2023	4046	578	4624	289	40	360	1930
<i>Tintinnopsis</i> spp.						160		
Unarmoured dinoflagellate	289	2890	578	4046	578		80	772
4-Jul-06								
<i>Alexandrium fundyense</i>	3088	386	1734					579
<i>Alexandrium fundyense</i> (duplet)	193	193						
<i>Alexandrium fundyense</i> (triplet)			289					
<i>Amphidinium sphenoides</i>								193
<i>Amylax triacantha</i>								193
<i>Apedinella radians</i>		193					193	
Armoured dinoflagellate	4825	772	3468	1445		40	772	3088
<i>Asterionellopsis glacialis</i>	579	1351	289			240	386	
<i>Attheya</i> spp.								772
<i>Cerataulina pelagica</i>	193	193				80	772	193
<i>Ceratium longipes</i>		193		578			193	
<i>Chaetoceros contortus</i>	193					160	1544	2509
<i>Chaetoceros convolutus / concavicomis</i>	193							
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	1544	965	1156					
<i>Chaetoceros debilis</i>	1737	772	1445				9843	5983
<i>Chaetoceros decipiens</i>		193						
<i>Chaetoceros didymus</i>							193	1737
<i>Chaetoceros filiformis</i>	193	1544	2601				386	
<i>Chaetoceros laciniosus</i>	193	193	578					
<i>Chaetoceros lorenzianus</i>								193
<i>Chaetoceros radicans</i>								193
<i>Chaetoceros similis</i>	5404	7334	15895	2023		80		193
<i>Chaetoceros simplex</i>	772	579	1156				386	965
<i>Chaetoceros socialis</i>	193						2316	
<i>Chaetoceros</i> spp. (Hyalochaete)	579	3088	1156	2601		840	3667	7913
<i>Chrysochromulina parkeae</i>								579
<i>Commation cryoporinum</i>						40		
<i>Cylindrotheca closterium</i>	3088	965	578	2023		2040	4825	2316
<i>Dactyliosolen fragilissimus</i>	772	772	1156			120	4053	52887
<i>Dictyocha speculum</i>	193							193
<i>Dinobryon</i> spp.								965
<i>Dinophysis acuminata</i>				289				
<i>Ditylum brightwellii</i>								
<i>Eucampia</i> spp.				1156		40		193
<i>Eucampia zodiacus</i>	772	579	578					
<i>Eutreptiella</i> sp.	579	386					193	579
<i>Favella</i> spp.						40		193
<i>Guinardia delicatula</i>	386	1351	578	289		40	5790	21616
<i>Gyrodinium</i> spp.	1158	386	3179	1156				386
<i>Helicostomella</i> spp.	2123	1158	867					2316
<i>Heterocapsa triquetra</i>	10036	1544	578					5211
<i>Laboea</i> sp.	386	386						193
<i>Leptocylindrus danicus</i>		579	1445	4624		160	965	193
<i>Leptocylindrus minimus</i>	1351	579		289			579	965
<i>Licmophora</i> spp.			289					
<i>Mediopyxis helysia</i>	193					40		

4-Jul-06 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Membraneis challenger</i>		193	289			40		
<i>Mesodinium rubrum</i>	9071	5597	6358			40	7527	14668
Pennate diatom	579			578		40		
<i>Porosira glacialis</i>			289					
<i>Prorocentrum minimum</i>	193	193	578					
<i>Prorocentrum</i> sp. (small)								1158
<i>Protoperidinium bipes</i>	772		1156	289				193
<i>Protoperidinium</i> spp.	193						772	193
<i>Pseudo-nitzschia delicatissima</i> group	458425	1300026	933352	869913		176868	29915	4246
<i>Scrippsiella</i> sp.	193						193	193
<i>Scrippsiella trochoidea</i>	965	579	289					386
<i>Skeletonema costatum</i>	26634	110976	57222	33524		1240	55391	1158
<i>Thalassiosira anguste-lineata</i>	193	579	289	289		40		
<i>Thalassiosira bioculata</i> var. <i>exigua</i>			289					
<i>Thalassiosira gravida</i>			289	289				
<i>Thalassiosira punctigera</i>				289				
<i>Thalassiosira</i> sp. (tiny)				867		40		
<i>Thalassiosira</i> spp.	10422	10615	16473	16473		2360	3667	386
Tintinnida	8106	8299	5202	2023		40	4246	7527
<i>Tintinnopsis</i> spp.	193			289		40		
Unarmoured dinoflagellate		193	2312	867				1351
11-Jul-06								
<i>Alexandrium fundyense</i>	1600	6880	3080		200		578	1584
<i>Alexandrium fundyense</i> (duplet)	160	480	80		80			144
<i>Alexandrium fundyense</i> (quadruplet)	40	80						
<i>Alexandrium fundyense</i> (triplet)	40	40						
<i>Alexandrium ostenfeldii</i>		80						
<i>Amphidinium carterae</i>				40				
<i>Amphidinium sphenoides</i>				120		40		
<i>Amylax triacantha</i>	40							
<i>Apedinella radians</i>		200	600	280				144
Armoured dinoflagellate	2680	5480	2520	960	440	40		4752
<i>Asterionellopsis glacialis</i>	40				40	80		
<i>Attheya</i> spp.								144
<i>Brachionus</i> spp.		40	120					
<i>Cerataulina pelagica</i>							2890	
<i>Ceratium longipes</i>	40	80	40	120				
<i>Chaetoceros contortus</i>					40			144
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	200	160	240					
<i>Chaetoceros debilis</i>	200							
<i>Chaetoceros decipiens</i>					40			
<i>Chaetoceros didymus</i>							578	
<i>Chaetoceros filiformis</i>	40						6358	
<i>Chaetoceros pseudobrevis</i>	40					40		
<i>Chaetoceros similis</i>	120				40	40	1156	
<i>Chaetoceros simplex</i>							578	
<i>Chaetoceros socialis</i>							2312	
<i>Chaetoceros</i> spp. (Hyalochaete)	80	80	80	200	200	120	4624	3024
<i>Chrysochromulina parkeae</i>			40					3168
<i>Comnasion cryoporinum</i>				40	80	40		
Copepoda	40	40						144
<i>Corethron hystrix</i>	160				40			

11-Jul-06 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Coscinodiscus</i> spp.					80	40		
<i>Cylindrotheca closterium</i>	960	640	1240	1160	2560	1040	5780	720
<i>Dactyliosolen fragilissimus</i>	1320	800	1280	1960	800	560	34102	167620
<i>Dictyocha speculum</i>	280	600	440	200	80			720
<i>Dinobryon</i> spp.	80	400	680	160				
<i>Dinophysis acuminata</i>	200	80		200				144
<i>Dinophysis norvegica</i>	40							
<i>Dinophysis</i> spp.			80					
<i>Ditylum brightwellii</i>	40				120	160		144
<i>Ebria tripartita</i>	120				40		578	288
<i>Eucampia zodiacus</i>	40							
<i>Eutimninus</i> sp.	80	440	640					
<i>Eutreptiella</i> sp.	480	280	120	160	40		1156	432
<i>Favella</i> spp.			40					288
<i>Gonyaulax spinifera</i>								144
<i>Guinardia delicatula</i>	1240	1880	1520	1480	600	80	23698	110398
<i>Gyrodinium</i> spp.	640	440	400	720	520	280		576
<i>Helicostomella</i> spp.	760	800	280	80			578	1296
<i>Heterocapsa triquetra</i>	880	4400	3120	280	40			2736
<i>Laboea</i> sp.	160	160	120	120			578	576
<i>Leptocylindrus danicus</i>	400	40			120	280		144
<i>Leptocylindrus minimus</i>		160	80	80	80			144
<i>Mediopyxis helysia</i>					40	80		
<i>Membraneis challengerii</i>	200	40		400	240	80		144
<i>Mesodinium rubrum</i>	2000	8600	3000	680	80	80	78608	19440
<i>Navicula distans</i>	160	40						
<i>Parafavella</i> spp.	160	80		320				
Pennate diatom	40	80	160	40			578	
<i>Polykrikos</i> spp.	40	80						
<i>Porosira glacialis</i>	40		40	40	120			
<i>Prorocentrum minimum</i>	40	160		40				432
<i>Protoperidinium bipes</i>	360	160	200	200	280	120		144
<i>Protoperidinium denticulatum</i>	40							
<i>Protoperidinium</i> spp.	160	120	200	80	120			288
<i>Pseudo-nitzschia delicatissima</i> group	7480	200		400	9680	14840	17340	144
<i>Pseudo-nitzschia seriata</i> group						40		144
<i>Scrippsiella</i> sp.	960	2920					1156	
<i>Scrippsiella trochoidea</i>	1160	1640	5160					1152
<i>Skeletonema costatum</i>	680	120	80		920	1080	242760	720
<i>Thalassiosira anguste-lineata</i>	400	240	320	800		120		
<i>Thalassiosira baltica</i>					40			
<i>Thalassiosira bioculata</i> var. <i>exigua</i>				40				
<i>Thalassiosira gravida</i>					40	40	578	
<i>Thalassiosira punctigera</i>						80		
<i>Thalassiosira</i> sp. (tiny)						520	63580	
<i>Thalassiosira</i> spp.	2560	200		560	4040	1320	6358	720
<i>Tintinnida</i>	3680	10760	1080	19240	1080	400	1734	8928
<i>Tintinnopsis</i> spp.	80			120	40		1156	
Unarmoured dinoflagellate	960	1800	1760	2320	720			2160
19-Jul-06								
<i>Alexandrium fundyense</i>	37520	7760	20736	280			3667	7514
<i>Alexandrium fundyense</i> (cyst)		40		80				

19-Jul-06 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Alexandrium fundyense</i> (duplet)	3360	120	1440					289
<i>Alexandrium fundyense</i> (fusing)	80							
<i>Alexandrium fundyense</i> (planozygote)				80				
<i>Alexandrium fundyense</i> (quadruplet)	480							
<i>Alexandrium fundyense</i> (triplet)	160							
<i>Alexandrium ostenfeldii</i>	80			40				
<i>Amphidinium carterae</i>		40		40				
<i>Amphidinium sphenoides</i>				80	40			
<i>Apedinella radians</i>	320	280	5616	40			386	
Armoured dinoflagellate	7840	2440	17424	3160	400	80	4053	5491
<i>Asterionellopsis glacialis</i>						40		
<i>Attheya</i> spp.							2509	
<i>Brachionus</i> spp.	160		288					289
Centric diatom					40			
<i>Ceratium lineatum</i>	80	120	576	80				
<i>Ceratium longipes</i>	240	160		80				
<i>Chaetoceros contortus</i>							193	
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	160	40						
<i>Chaetoceros filiformis</i>							386	
<i>Chaetoceros furcellatus</i>						40		
<i>Chaetoceros similis</i>							386	
<i>Chaetoceros simplex</i>							2123	
<i>Chaetoceros socialis</i>							579	
<i>Chaetoceros</i> spp. (Hyalochaete)		40			120		772	289
<i>Commation cryoporinum</i>			144		40	40		
Copepoda		40						
<i>Corethron hystrix</i>	80							
<i>Coscinodiscus</i> spp.					40			
<i>Cylindrotheca closterium</i>	1040	600	720	760	400	400	2509	
<i>Dactyliosolen fragilissimus</i>	400	280		560	960	520	42846	
<i>Dictyocha speculum</i>	960	160	576	160	80			1156
<i>Dinobryon</i> spp.							193	289
<i>Dinophysis acuminata</i>	240	200	1152	320				578
<i>Dinophysis norvegica</i>	160	40	144	40				
<i>Dinophysis pulchella</i>		40						578
<i>Dinophysis</i> spp.								289
<i>Ditylum brightwellii</i>					40	80		
<i>Ebria tripartita</i>				40			193	
<i>Eucampia zodiacus</i>	80							
<i>Eutimninus</i> sp.	320	280	576					289
<i>Eutreptiella</i> sp.	3040	2520	3024	520	120	40	386	2601
<i>Favella</i> spp.		40						
<i>Gonyaulax spinifera</i>	400	160	144				193	
<i>Guinardia delicatula</i>	4480	1000	3600	880	640	280	34740	21097
<i>Gyrodinium</i> spp.		40	432	360	40	160		578
<i>Helicostomella</i> spp.	1680	400	2736				193	6647
<i>Heterocapsa triquetra</i>	8640	6120	32976	720	40		1544	53754
<i>Laboea</i> sp.	320	40	144	160				
<i>Lennoxia faveolata</i>			144					
<i>Leptocylindrus danicus</i>						40		1156
<i>Leptocylindrus mediterraneus</i>		40						
<i>Leptocylindrus minimus</i>	160						1158	1445

19-Jul-06 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Licmophora</i> spp.		80						
<i>Mediopyxis helysia</i>					40	80		
<i>Membraneis challengeri</i>		120		40	80	40		289
<i>Mesodinium rubrum</i>	10080	1840	8928	480	200	80	27792	86411
<i>Micracanthodinium claytonii</i>	240							
<i>Navicula distans</i>	80			40				
<i>Parafavella</i> spp.	80			40				
Pennate diatom				40	40	80		
<i>Porosira glacialis</i>	80							
<i>Prorocentrum minimum</i>	2160	1360	3888				193	3179
<i>Protoperidinium bipes</i>	160	40	288	120	120		386	
<i>Protoperidinium</i> spp.		120	144	120	40		193	
<i>Pseudo-nitzschia delicatissima</i> group	320	40	144	1200	9760	12560	2509	
<i>Pseudo-nitzschia seriata</i> group	80				80		1158	4046
<i>Pseudo-nitzschia subpacific</i>					40			
<i>Scrippsiella</i> sp.	6160	1160	3168	320			1544	1445
<i>Scrippsiella trochoidea</i>	3920	1640	17568	240			193	6358
<i>Skeletonema costatum</i>	160	40		40		280	7527	
<i>Thalassiosira anguste-lineata</i>	160		288	40	80	40		
<i>Thalassiosira gravida</i>							386	
<i>Thalassiosira</i> sp. (tiny)							5211	
<i>Thalassiosira</i> spp.	480			280	440	440	1351	
Tintinnida	4160	960	16848	2200	200	160	1158	12138
<i>Tintinnopsis</i> spp.	480	40	144					
Unarmoured dinoflagellate	640	1080	4752	1840	440		1351	2890
25-Jul-06								
<i>Alexandrium fundyense</i>	49408	23160	46127	6600	160	160	720	34102
<i>Alexandrium fundyense</i> (cyst)				40		40		
<i>Alexandrium fundyense</i> (duplet)	1158	960	1351	400				
<i>Alexandrium fundyense</i> (fusing)				80				
<i>Alexandrium fundyense</i> (planozygote)	3667	240	2509	240				2890
<i>Alexandrium fundyense</i> (quadruplet)		160						
<i>Alexandrium fundyense</i> (triplet)		80	193	40				
<i>Alexandrium ostenfeldii</i>		80	386					
<i>Amphidinium carterae</i>			193					
<i>Amphidinium sphenoides</i>		40		40				
<i>Apedinella radians</i>	193	400	1351	200	40		160	578
Armoured dinoflagellate	3474	3800	9843	1040	40	80	1440	11560
<i>Asterionellopsis glacialis</i>					40	40		
<i>Brachionus</i> spp.	193	240	193	120				
<i>Cerataulina pelagica</i>							80	
<i>Ceratium fusus</i>				40				
<i>Ceratium lineatum</i>	193	80	965	80				
<i>Ceratium longipes</i>	772	440	772	400	80			
<i>Ceratium</i> spp.				40				
<i>Ceratium tripos</i>	193			40				
<i>Chaetoceros filiformis</i>							400	
<i>Chaetoceros laciniosus</i>		40						
<i>Chaetoceros similis</i>							240	
<i>Chaetoceros simplex</i>							240	
<i>Chaetoceros socialis</i>							640	
<i>Chaetoceros</i> spp. (Hyalochaete)	193				40		240	4624

25-Jul-06 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Chrysochromulina parkeae</i>			193				80	
<i>Commation cryoporinum</i>						40		
Copepoda		40						
<i>Corethron hystrix</i>				40				
<i>Cylindrotheca closterium</i>	1544	1120	1158	320	600	400	3680	1156
<i>Dactyliosolen fragilissimus</i>				280	240	280	17200	1156
<i>Dictyocha speculum</i>	193	280	386	200			80	1156
<i>Dinobryon</i> spp.	386	280					320	
<i>Dinophysis acuminata</i>		80	579	760				578
<i>Dinophysis norvegica</i>		80	386	160				
<i>Ditylum brightwellii</i>					120	40	320	
<i>Ebria tripartita</i>	193	40						
<i>Eutimninus</i> sp.	193							
<i>Eutreptiella</i> sp.	6755	4360	1930	360			480	
<i>Favella</i> spp.		80						
<i>Gonyaulax digitale</i>		80						1156
<i>Gonyaulax spinifera</i>	1737	360	579					578
<i>Guinardia delicatula</i>	965	640	1158	360	440	200	6080	2890
<i>Guinardia flaccida</i>							160	
<i>Gyrodinium aureolum</i>			772					
<i>Gyrodinium</i> spp.	386	80		280	80			578
<i>Helicostomella</i> spp.	965	4120	386	360	40		80	3468
<i>Heterocapsa triquetra</i>	18914	15120	48829	6960	40	80	720	76296
<i>Laboea</i> sp.		40		1120				
<i>Leptocylindrus mediterraneus</i>			193					
<i>Leptocylindrus minimus</i>		120		40			16400	5780
<i>Mediopyxis helysia</i>					40		80	
<i>Membraneis challengeri</i>	193	40		120	40	40		
<i>Meringosphaera mediterranea</i>						40		
<i>Mesodinium rubrum</i>	5404	2120	20265	880	40	40	3200	131206
<i>Micracanthodinium claytonii</i>						40		
<i>Navicula distans</i>							80	
<i>Parafavella</i> spp.				40				
Pennate diatom					40	120		
<i>Pleurosigma strigosum</i>				40				
<i>Polykrikos</i> spp.		160						
<i>Porosira glacialis</i>						40		
<i>Prorocentrum minimum</i>	5018	4680	9264	360				7514
<i>Prorocentrum</i> sp. (small)	193		193				80	578
<i>Protoperidinium bipes</i>	193	40	193	40	80			
<i>Protoperidinium brevipes</i>		80		160				
<i>Protoperidinium depressum</i>				40				
<i>Protoperidinium punctulatum</i>				120				
<i>Protoperidinium</i> spp.	579	240	579	80	40			1734
<i>Protoperidinium steinii</i>				160				
<i>Pseudo-nitzschia delicatissima</i> group	386	120	386	280	2200	2440	560	
<i>Pseudo-nitzschia pseudodelicatissima</i>				80				578
<i>Pseudo-nitzschia seriata</i> group				40		40	880	157794
<i>Scrippsiella</i> sp.	1930	640	4246	40			240	1734
<i>Scrippsiella trochoidea</i>	8106	1720	14282	800	40		80	13872
<i>Skeletonema costatum</i>					40	120	1040	
<i>Thalassionema nitzschioides</i>				40	40			

25-Jul-06 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Thalassiosira anguste-lineata</i>				120				
<i>Thalassiosira baltica</i>						80		
<i>Thalassiosira gravida</i>				200				
<i>Thalassiosira</i> sp. (tiny)							160	
<i>Thalassiosira</i> spp.				80		200	160	
Tintinnida	1737	680	772	1720	200	160	320	5780
<i>Tintinnopsis</i> spp.		240		680				
Unarmoured dinoflagellate	1930	3360	1351	1120	80	80	320	3468
1-Aug-06								
<i>Alexandrium fundyense</i>	2304	1584	12180	240	120	40		432
<i>Alexandrium fundyense</i> (cyst)						40		
<i>Alexandrium fundyense</i> (planozygote)	576	576	3780	80	80			
<i>Alexandrium fundyense</i> (quadruplet)		144						
<i>Amphidinium carterae</i>				40				
<i>Amphidinium sphenoides</i>				40	40			
<i>Apedinella radians</i>	576		280		40			
Armoured dinoflagellate	6192	4320	5320	680	80	40	288	3312
<i>Asterionellopsis glacialis</i>					160	120		
<i>Aulacoseira ambigua</i>					40	40		
Centric diatom					40			
<i>Cerataulina pelagica</i>		144	70					
<i>Ceratium fusus</i>	288							
<i>Ceratium lineatum</i>	2592	864	210	40	40	40		
<i>Ceratium longipes</i>	144	288	910	200	40			288
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>			350	80				
<i>Chaetoceros debilis</i>					40			
<i>Chaetoceros filiformis</i>							576	
<i>Chaetoceros laciniosus</i>	144	864	280					
<i>Chaetoceros lorenzianus</i>				120	80	40		
<i>Chaetoceros similis</i>		288	70					
<i>Chaetoceros simplex</i>	144	576	140				1296	288
<i>Chaetoceros socialis</i>	144	144	140				1872	
<i>Chaetoceros</i> spp. (Hyalochaete)	432	1008	770	520	40	40	1008	864
<i>Chrysochromulina parkeae</i>	288		70					
Copepoda								144
<i>Coscinodiscus</i> spp.						40		
<i>Coscinodiscus wailesii</i>				40				
<i>Cylindrotheca closterium</i>	1872	2592	4480	2800	1520	520	288	576
<i>Dactyliosolen fragilissimus</i>	144	144	70	360	120	200	720	
<i>Dictyocha speculum</i>	1296	288	70	160	40			288
<i>Dinobryon</i> spp.		144	560				576	576
<i>Dinophysis acuminata</i>	864	144		120	40	40		1440
<i>Dinophysis norvegica</i>	144	144	140	40				
<i>Dinophysis rotundata</i>	144			40				144
<i>Dinophysis</i> spp.			70					
<i>Ditylum brightwellii</i>				120	40	40	288	
<i>Ebria tripartita</i>								144
<i>Eutimninus</i> sp.			70					
<i>Eutreptiella</i> sp.	2304	1152	2730	600	80	40	3456	1008
<i>Favella</i> spp.	1152	144					144	432
<i>Gonyaulax digitale</i>	720	720	70	80				432
<i>Gonyaulax spinifera</i>	1440	576	1260					720

1-Aug-06 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Guinardia delicatula</i>	144		350	80	280	80	144	
<i>Gyrodinium aureolum</i>		288						
<i>Gyrodinium</i> spp.	144	144	70		240			144
<i>Helicostomella</i> spp.	1440	2592						144
<i>Heterocapsa triquetra</i>	14256	8208	1470	280	40		144	10224
<i>Laboea</i> sp.	288			40				
<i>Leptocylindrus danicus</i>				40				
<i>Leptocylindrus mediterraneus</i>				40	40			
<i>Leptocylindrus minimus</i>	288	1152	1190	640	80		23760	576
<i>Mediopyxis helysia</i>					40	80		
<i>Melosira</i> spp.				40				
<i>Membraneis challengerii</i>	288	144		80				
<i>Mesodinium rubrum</i>	19152	97682	10150	360	160	160	3312	119068
Pennate diatom	288	144	70	40	40			
<i>Polykrikos</i> spp.	576		70					
<i>Prorocentrum minimum</i>	5760	1584	3220	280				3888
<i>Protoperidinium brevipes</i>					40			
<i>Protoperidinium</i> spp.	720	144						288
<i>Protoperidinium steinii</i>				80				
<i>Pseudo-nitzschia delicatissima</i> group		3168	2800	4800	4120	2160		432
<i>Pseudo-nitzschia pseudodelicatissima</i>	1152				80			
<i>Pseudo-nitzschia seriata</i> group	432	1008	840	4560	840	560	19008	72828
<i>Scrippsiella</i> sp.	3312	1008	1120	40	40		288	
<i>Scrippsiella trochoidea</i>	4464	4032	6020	280	40		144	2448
<i>Skeletonema costatum</i>	720		420	80			13536	
<i>Tabellaria</i> spp.					200			
<i>Thalassionema nitzschioides</i>				160	280	120		
<i>Thalassiosira anguste-lineata</i>	144		70					
<i>Thalassiosira gravida</i>							1296	
<i>Thalassiosira</i> spp.		144	630	840	40	40	1008	
Tintinnida	25200	11952	1050	3520	80	120	576	2016
<i>Tintinnopsis</i> spp.	144			240			144	
Unarmoured dinoflagellate	2160	1440	1330	640	120			
8-Aug-06								
<i>Alexandrium fundyense</i>	386		578					1734
<i>Amphidinium carterae</i>				289				
<i>Amphidinium sphenoides</i>				289				
<i>Amylax triacantha</i>								578
<i>Apedinella radians</i>	193		289				289	578
Armoured dinoflagellate	3474	9248	2601	4913	144	40	578	6358
<i>Asterionellopsis glacialis</i>	579	5780	2601	4335	144		289	1156
<i>Aulacoseira ambigua</i>					288			
<i>Bacillaria paxillifera</i>		578						
Centric diatom					144			
<i>Cerataulina pelagica</i>	1158	1156	867	578				578
<i>Ceratium fusus</i>			289	289				
<i>Ceratium lineatum</i>	386	578	2890	1734				4046
<i>Ceratium longipes</i>	386			867				
<i>Chaetoceros borealis</i>			289					
<i>Chaetoceros convolutus</i> / <i>concavicornis</i>	193							
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	772		289					
<i>Chaetoceros debilis</i>	193		289				289	578

8-Aug-06 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Chaetoceros filiformis</i>	579	1156	578				1734	1156
<i>Chaetoceros lacinosus</i>	2123	2890	1445	2890			289	
<i>Chaetoceros lorenzianus</i>								578
<i>Chaetoceros similis</i>	772	578	867		144		289	
<i>Chaetoceros simplex</i>	1158	1156	1445	867	144		4624	3468
<i>Chaetoceros socialis</i>	1544	13872	8092				42194	15028
<i>Chaetoceros</i> spp. (Hyalochaete)	2895	15028	10982	10982	2304	240	2890	1734
<i>Chaetoceros subtilis</i>						40		
<i>Corethron hystrix</i>			578					
<i>Coscinodiscus</i> spp.	386							
<i>Coscinodiscus wailesii</i>					144			
<i>Cylindrotheca closterium</i>	2316	578	578	2023	2736	160	1734	4046
<i>Dactyliosolen fragilissimus</i>			867	1156	432			2312
<i>Dictyocha speculum</i>	193			289	144		1445	1156
<i>Dinobryon</i> spp.	193		867	289				
<i>Dinophysis acuminata</i>		578	289	1156			289	
<i>Dinophysis fortii</i>								578
<i>Ditylum brightwellii</i>	1737	8670	7225	6936		120	578	1734
<i>Ebria tripartita</i>							289	
<i>Eucampia</i> spp.						40		
<i>Eutreptiella</i> sp.	772		867	867	144		2312	2312
<i>Favella</i> spp.		578						
<i>Gonyaulax digitale</i>		578	578					1156
<i>Gonyaulax spinifera</i>	193	1156	289					578
<i>Guinardia delicatula</i>	386	578	578	578	144	40	578	578
<i>Gyrodinium aureolum</i>			289					
<i>Gyrodinium</i> spp.	193		289	289	432		289	
<i>Helicostomella</i> spp.								578
<i>Heterocapsa triquetra</i>	579	5202	2890	578				6358
<i>Laboea</i> sp.			289					
<i>Leptocylindrus danicus</i>	193	1156	578	289			2023	578
<i>Leptocylindrus minimus</i>	2509	8670	5491	1445	576		12427	3468
<i>Mediopyxis helysia</i>		578	289					
<i>Membraneis challengerii</i>			289	289				
<i>Mesodinium rubrum</i>	5790	5202	1156	4046	288	120	25143	64736
<i>Micracanthodinium claytonii</i>						40		
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>				867				
<i>Notholca</i> spp.							289	
Pennate diatom	193		1445	867		80		578
<i>Pleurosigma angulatum</i>							289	
<i>Polykrikos</i> spp.		578						
<i>Preperidinium meuneri</i>								578
<i>Prorocentrum minimum</i>	1351	4046	3757				1156	2312
<i>Prorocentrum</i> sp. (small)	965							
<i>Protoperidinium brevipes</i>					144			
<i>Protoperidinium</i> spp.				578	144			2312
<i>Pseudo-nitzschia americana</i>	386							
<i>Pseudo-nitzschia delicatissima</i> group	10229	15606	8670	11849	4896	560	867	5202
<i>Pseudo-nitzschia fraudulentula</i>			289			120		
<i>Pseudo-nitzschia pseudodelicatissima</i>							578	
<i>Pseudo-nitzschia pungens</i>					36992	7320	48841	26588
<i>Pseudo-nitzschia seriata</i> group	57222	60112	45951	117912	3024	320	289	

8-Aug-06 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Rhizosolenia setigera</i>			578					
<i>Scrippsiella</i> sp.	193		1734	578				4046
<i>Scrippsiella trochoidea</i>	1158	4624	2312	4335				3468
<i>Skeletonema costatum</i>	39758	164152	153170	79186	6048	400	160106	91324
<i>Thalassionema nitzschioides</i>	386		867	578	720	40		
<i>Thalassiosira anguste-lineata</i>	386	1734	289	1734				
<i>Thalassiosira baltica</i>				289		40		
<i>Thalassiosira bioculata</i> var. <i>exigua</i>	193							
<i>Thalassiosira gravida</i>	193		578	289	288	40	29767	19652
<i>Thalassiosira</i> sp. (tiny)				578				578
<i>Thalassiosira</i> spp.	4246	15028	4913	5491	1152	80	5491	2890
Tintinnida	1737	2890		2023	432	240	2312	15606
<i>Tintinnopsis</i> spp.					144	120		
Unarmoured dinoflagellate	772	3468	3468	1445	432	80	578	6358
15-Aug-06								
<i>Apedinella radians</i>		289				386	432	578
Armoured dinoflagellate	578	3757	5202	289	2312	193	144	3757
<i>Asterionellopsis glacialis</i>	7225	14161	11271	7225	2890	4825	288	
<i>Cerataulina pelagica</i>	1156	1156	867	578		386	144	289
<i>Ceratium lineatum</i>	289	1156	1734	578				1156
<i>Ceratium tripos</i>		289	289					
<i>Chaetoceros contortus</i>		578	289	578				289
<i>Chaetoceros danicus</i>				289				
<i>Chaetoceros debilis</i>	289	289					144	1445
<i>Chaetoceros didymus</i>						193		
<i>Chaetoceros filiformis</i>	578			578			864	289
<i>Chaetoceros laciniosus</i>	578	867	289	867	578		288	1445
<i>Chaetoceros lorenzianus</i>	289				578			578
<i>Chaetoceros pseudobrevis</i>				289	3179	772		
<i>Chaetoceros similis</i>	578	867	289	578	289	193		
<i>Chaetoceros simplex</i>	578			1156		772	2448	5491
<i>Chaetoceros socialis</i>	10404	2023	6358		2890		12672	44506
<i>Chaetoceros</i> spp. (Hyalochaete)	8381	7225	5780	6647	6069	3088	1296	8092
<i>Corethron hystrix</i>		289	289	289			144	289
<i>Cylindrotheca closterium</i>	4913	1156	2890	4913	4335	1351	2736	2890
<i>Dactyliosolen fragilissimus</i>	1156	578	578		1734	1351	720	2023
<i>Dictyocha speculum</i>	578	289	1734	289		386	576	16184
<i>Dinophysis acuminata</i>		289				193		1734
<i>Dinophysis norvegica</i>			289					
<i>Dinophysis pulchella</i>								578
<i>Dinophysis rotundata</i>		289						
<i>Dissodinium pseudohunula</i>							144	
<i>Ditylum brightwellii</i>	47107	74562	60690	28900	21386	10036	864	11560
<i>Ebria tripartita</i>		1445	289		289	193	432	578
<i>Eutintinnus</i> sp.			289					
<i>Eutreptiella</i> sp.	1445	578	578	578			2016	867
<i>Favella</i> spp.			289					
<i>Guinardia delicatula</i>	289	867	578	289	289	386	144	289
<i>Guinardia striata</i>			289					
<i>Gyrodinium aureolum</i>		578	289					
<i>Gyrodinium</i> spp.	289	578	578	289	289		144	
<i>Gyrosigma tenuissimum</i>					289			

15-Aug-06 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Helicostomella</i> spp.								1156
<i>Heterocapsa triquetra</i>	289	867	867					867
<i>Laboea</i> sp.	289		578					
<i>Leptocylindrus danicus</i>		578	289	2023	289		1296	
<i>Leptocylindrus mediterraneus</i>	289		289	867				
<i>Leptocylindrus minimus</i>	8959	6936	1445	2601	3179	1930	2880	3468
<i>Licmophora</i> spp.		289					144	
<i>Mesodinium rubrum</i>	14450	2601	6936	289			10080	35547
<i>Odontella sinensis</i>				289				
<i>Paralia sulcata</i>						193		
Pennate diatom			578	1156	1445	386		289
<i>Polykrikos</i> spp.			289					
<i>Prorocentrum minimum</i>	289	1445	2023				144	3757
<i>Protoperidinium</i> spp.			289				144	289
<i>Pseudo-nitzschia delicatissima</i> group	6936	2312	4335	5780	9826	4053	1152	1445
<i>Pseudo-nitzschia pseudodelicatissima</i>				578		193	144	
<i>Pseudo-nitzschia pungens</i>	2312	2601	4046	4913	1734	5404	1152	2023
<i>Pseudo-nitzschia seriata</i> group				289	1156	1158		
<i>Pseudo-nitzschia subpacifica</i>					289			
<i>Scrippsiella</i> sp.			289					
<i>Scrippsiella trochoidea</i>								867
<i>Skeletonema costatum</i>	216710	235246	243382	186116	116178	42074	25344	20519
<i>Thalassionema nitzschioides</i>	289		289	1156	867	1158	144	
<i>Thalassiosira anguste-lineata</i>	867	289		867	289			
<i>Thalassiosira gravida</i>	7803	2312	6936	8670	5780	4053	18720	8092
<i>Thalassiosira punctigera</i>			289					
<i>Thalassiosira</i> sp. (tiny)				3468	289		144	289
<i>Thalassiosira</i> spp.	30634	26588	32657	23698	13583	11001	3024	1734
<i>Tintinnida</i>	867	1734	2601	1156	289	772	432	5491
<i>Tintinnopsis campanula</i>								289
<i>Tintinnopsis</i> spp.	289					193		
Unarmoured dinoflagellate	289	2023	2890	2023	1445	579	144	1734
22-Aug-06								
<i>Alexandrium fundyense</i>				578				
<i>Amphidinium carterae</i>			289				40	
<i>Amphidinium sphenoides</i>			289		867	144		
Armoured dinoflagellate	7225	4624	3179	3179	1156		60	4176
<i>Asterionellopsis glacialis</i>	12138	4913	2601	3179	7225	7632	240	864
<i>Cerataulina pelagica</i>	1156	1156		289	867	144	220	864
<i>Ceratium fusus</i>				289				
<i>Ceratium lineatum</i>	4046		2023	4046	578		120	144
<i>Ceratium longipes</i>					578			
<i>Ceratium</i> spp.			289	289				
<i>Ceratium tripos</i>	289	289						
<i>Chaetoceros contortus</i>	289	578	289	578			60	3600
<i>Chaetoceros debilis</i>							140	576
<i>Chaetoceros diadema</i>						432		
<i>Chaetoceros didymus</i>							20	
<i>Chaetoceros filiformis</i>	289	289					100	
<i>Chaetoceros laciniatus</i>	1445	289		1156	289		840	4320
<i>Chaetoceros lorenzianus</i>				289			60	144
<i>Chaetoceros pseudobrevis</i>				289	578	720		

22-Aug-06 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Chaetoceros similis</i>							20	
<i>Chaetoceros simplex</i>						144	1500	288
<i>Chaetoceros socialis</i>	3468		289		4913	144	4240	13824
<i>Chaetoceros</i> spp. (Hyalochaete)	5780	4624	4046	4335	6936	2448	2800	23328
Copepoda			289			144	20	144
<i>Corethron hystrix</i>	289	578	867	867	867	288	60	
<i>Cylindrotheca closterium</i>	867	578	867	1734	3468	1728	300	
<i>Dactyliosolen fragilissimus</i>	578				1156	432	1300	8928
<i>Dictyocha speculum</i>	578	289	867	289	2023	144	620	1152
<i>Dinophysis acuminata</i>	289		578	289				5328
<i>Dinophysis dens</i>				289				
<i>Dinophysis pulchella</i>								1296
<i>Dinophysis</i> spp.					289			
<i>Dietylum brightwellii</i>	70516	76874	58378	62713	49708	17280	2200	14688
<i>Ebria tripartita</i>			289	289	289		40	576
<i>Eutreptiella</i> sp.	1734	289	289	2023	1156		120	288
<i>Favella</i> spp.			289					288
<i>Gonyaulax digitale</i>				289				
<i>Gonyaulax spinifera</i>	289	867	867					1008
<i>Guinardia delicatula</i>	2023	1156	2890	2601	867		120	1872
<i>Guinardia striata</i>			289		578			
<i>Gyrodinium aureolum</i>	1156		289	1734				1152
<i>Gyrodinium</i> spp.	2601	2601	2023	7225	1734	144	20	432
<i>Helicostomella</i> spp.	289		578				80	288
<i>Heterocapsa triquetra</i>	289			289				
<i>Laboea</i> sp.				289			60	144
<i>Lauderia annulata</i>							40	
<i>Leptocylindrus danicus</i>	1156		578	2023	2023	432	720	2016
<i>Leptocylindrus mediterraneus</i>						144		
<i>Leptocylindrus minimus</i>	3179	1734	2890	1156	867	432	1160	1440
<i>Mediopyxis helysia</i>			289					
<i>Mesodinium rubrum</i>	6069	289	3757	5202	578		580	1296
<i>Notholca</i> spp.							40	
<i>Odontella sinensis</i>				289				
Pennate diatom		289				288		
<i>Polykrikos</i> spp.	289		289					
<i>Prorocentrum minimum</i>		578	289	578	289		40	1440
<i>Prorocentrum</i> sp. (small)					289			
<i>Protoperidinium bipes</i>				289				
<i>Protoperidinium depressum</i>							40	
<i>Protoperidinium</i> spp.			289	289		144		
<i>Pseudo-nitzschia americana</i>							80	
<i>Pseudo-nitzschia delicatissima</i> group	2890	578	12138	6936	7225		280	432
<i>Pseudo-nitzschia pseudodelicatissima</i>						2016		
<i>Pseudo-nitzschia pungens</i>	1734	1156	2601	1734	3757	1008	320	1440
<i>Pseudo-nitzschia seriata</i> group		289					80	
<i>Rhizosolenia setigera</i>			289	289				144
<i>Scrippsiella</i> sp.	289	1445	1156	1156				720
<i>Scrippsiella trochoidea</i>	289	867	1445	2023				576
<i>Skeletonema costatum</i>	37281	56933	82654	17051	13294	2880	3860	5184
<i>Thalassionema nitzschioides</i>	867	867	1156	2312		864		
<i>Thalassiosira anguste-lineata</i>		289		867	867		40	

22-Aug-06 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Thalassiosira gravida</i>	5780	5491	7514	5491	5780	2016	5280	144
<i>Thalassiosira punctigera</i>							20	
<i>Thalassiosira</i> sp. (tiny)			289	1156	289	144		
<i>Thalassiosira</i> spp.	22831	19363	23698	22831	34391	15696	580	576
Tintinnida	5202	289	578	20808	578	432	500	2304
Unarmoured dinoflagellate	2601	1156	2890	4913	4335	1008	60	720
29-Aug-06								
<i>Alexandrium fundyense</i>							20	
<i>Amphidinium carterae</i>	240	40	432	1156				
<i>Amphidinium spheonoides</i>	320	280	720	867	864	320		772
<i>Apedinella radians</i>	40	80	1584	1156	144			
Armoured dinoflagellate	3000	720	6480	4913	432	160		1351
<i>Asterionellopsis glacialis</i>							100	193
Centric diatom							40	
<i>Cerataulina pelagica</i>				1156	432		340	2316
<i>Ceratium fusus</i>		80		289			20	
<i>Ceratium lineatum</i>	4280	3680	9792	16762	576	80		5404
<i>Ceratium longipes</i>	80	80	288	578	144			
<i>Ceratium tripos</i>	80	120	576	289	144			
<i>Chaetoceros contortus</i>	40			289				965
<i>Chaetoceros debilis</i>	200	240	432		288	240		965
<i>Chaetoceros didymus</i>	40						100	193
<i>Chaetoceros laciniosus</i>		40					100	772
<i>Chaetoceros lorenzianus</i>	80	120		578			20	
<i>Chaetoceros pseudobrevis</i>				867		280		
<i>Chaetoceros simplex</i>						80	820	
<i>Chaetoceros socialis</i>	440	1520	3024	2890			80	14089
<i>Chaetoceros</i> spp. (Hyalochaete)	1840	1000	4176	8092	2016	1520	900	13510
<i>Chrysochromulina parkeae</i>	40							
<i>Commation cryoporinum</i>						40		
Copepoda		80	144	289		80		193
<i>Corethron hystrix</i>	240	80	144	289	288	240		
<i>Coscinodiscus</i> spp.				289				
<i>Cylindrotheca closterium</i>	720	120	864	289	1584	1120	60	
<i>Dactyliosolen fragilissimus</i>	80		288				60	193
<i>Dictyocha speculum</i>	320	440	1296	867	288		40	1158
<i>Dinophysis acuminata</i>	320	320	864	1156	288			1930
<i>Dinophysis norvegica</i>	40			289				772
<i>Dinophysis pulchella</i>			288					
<i>Dinophysis rotundata</i>	40		144					193
<i>Ditylum brightwellii</i>	40				144	240	200	386
<i>Ebria tripartita</i>		80	144	289	144		20	193
<i>Eutreptiella</i> sp.	1760	400	1296	1734	288		1220	2123
<i>Favella</i> spp.	80							
<i>Gonyaulax digitale</i>	120			1156				
<i>Gonyaulax spinifera</i>	160		288					193
<i>Guinardia delicatula</i>	1040	680	1152	578	1296	520		579
<i>Guinardia flaccida</i>	40							
<i>Guinardia striata</i>	160	400	432		288	240		
<i>Gymnodinium</i> spp.				578				
<i>Gyrodinium aureolum</i>	680	320	3168	2023				193
<i>Gyrodinium</i> spp.	720	600	864	2312	2592	1040	20	1737

29-Aug-06 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Helicostomella</i> spp.	320	480	2304	867				1544
<i>Heterocapsa triquetra</i>	40				144			
<i>Laboea</i> sp.	40						40	
<i>Lauderia annulata</i>	40				144			
<i>Lennoxia faveolata</i>							680	
<i>Leptocylindrus danicus</i>	2840	2400	11952	16473	7776	1320	360	29336
<i>Leptocylindrus mediterraneus</i>					576	40		
<i>Leptocylindrus minimus</i>	120	80				280	1580	
<i>Melosira monoliformis</i>							20	
<i>Mesodinium rubrum</i>	1560	1000	10080	1156			1480	21423
<i>Navicula distans</i>						40		
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>				289				
<i>Notholca</i> spp.								193
<i>Odontella aurita</i>			144					
<i>Odontella sinensis</i>						40		
Pennate diatom	40	160			720	240	100	
<i>Polykrikos</i> spp.		120			144		20	
<i>Preperidinium meuneri</i>				289				
<i>Prorocentrum minimum</i>	320	160	864	289				965
<i>Prorocentrum</i> sp. (small)			144					
<i>Protoperidinium punctulatum</i>		40						
<i>Protoperidinium</i> spp.	160	40	432	289	288			
<i>Pseudo-nitzschia americana</i>							140	
<i>Pseudo-nitzschia delicatissima</i> group						920	140	193
<i>Pseudo-nitzschia fraudulenta</i>		120	864	3179		80		579
<i>Pseudo-nitzschia pseudodelicatissima</i>	120		144	289	144			
<i>Pseudo-nitzschia pungens</i>	1400	4040	12096	11271	7632	1360		579
<i>Pseudo-nitzschia seriata</i>		360	144		2016			386
<i>Pseudo-nitzschia seriata</i> group	120			4046				
<i>Pseudo-nitzschia subpaeifica</i>				1445	288			
<i>Rhizosolenia setigera</i>	120					40		
<i>Scrippsiella</i> sp.			288					193
<i>Scrippsiella trochoidea</i>	360		1296	867				1158
<i>Skeletonema costatum</i>						80	500	
<i>Thalassionema nitzschioides</i>	40	80				480		386
<i>Thalassiosira anguste-lineata</i>	120		144	867	144			
<i>Thalassiosira gravida</i>	720	1000	1440	4624		720	80	
<i>Thalassiosira</i> spp.					1728	1520	20	193
Tintinnida	7680	1840	13392	18207	4320	320	40	6369
<i>Tintinnopsis campanula</i>	40							
<i>Tintinnopsis</i> spp.						80		
Unarmoured dinoflagellate	1200	40	1152	5202	4032	1960	60	386
5-Sep-06								
<i>Amphidinium carterae</i>	440	289	160	288				
<i>Amphidinium sphenoides</i>	840	1445	400	1728	440	40		289
<i>Apedinella radians</i>	80		760	432				578
Armoured dinoflagellate	4480	13005	9040	1152	200	40		18207
<i>Asterionellopsis glacialis</i>					40	40	40	
<i>Aulacoseira ambigua</i>						40		
Centric diatom				288		40		
<i>Cerataulina pelagica</i>	320						440	11560
<i>Ceratium fusus</i>	160		120	144				

5-Sep-06 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Ceratium kofoidii</i>					40			
<i>Ceratium lineatum</i>	10360	26299	9920	3168	120		80	867
<i>Ceratium longipes</i>	40		80					
<i>Ceratium</i> spp.		289						
<i>Ceratium tripos</i>	200		40	432				
<i>Chaetoceros contortus</i>	120	1156		144				
<i>Chaetoceros debilis</i>	1160	5491	760	1440	440		320	2890
<i>Chaetoceros diadema</i>	40						40	
<i>Chaetoceros laciniosus</i>	80	867	40				200	289
<i>Chaetoceros lorenzianus</i>	120	867			40		80	
<i>Chaetoceros pseudocrinatus</i>		289						
<i>Chaetoceros radicans</i>				144				
<i>Chaetoceros simplex</i>							960	
<i>Chaetoceros socialis</i>	3680	23987	920	5616			2000	30056
<i>Chaetoceros</i> spp. (Hyalochaete)	1200	29189	240	288	360	120	1040	3468
<i>Chaetoceros</i> spp. (Phaeoceros)				144				
<i>Chrysochromulina parkeae</i>		289	40					
<i>Commation cryporinum</i>					80			
Copepoda	120		80					
<i>Corethron hystrix</i>					40		120	2023
<i>Coscinodiscus</i> spp.	120		80	144	40		40	
<i>Cylindrotheca closterium</i>	280		320	1296	560	160	240	289
<i>Dactyliosolen fragilissimus</i>	40		160	288			80	1156
<i>Dictyocha speculum</i>	160		160		40		160	578
<i>Dinophysis acuminata</i>	200	578	200			40		578
<i>Dinophysis norvegica</i>	80		40	144	40			
<i>Dinophysis rotundata</i>		289						
<i>Ditylum brightwellii</i>	40				40	240	80	
<i>Ebria tripartita</i>	40		40	144			200	578
<i>Eutreptiella</i> sp.	1040	2023	2800	2448	40		400	867
<i>Gonyaulax digitale</i>	160		200					
<i>Gonyaulax spinifera</i>	240		440					867
<i>Guinardia delicatula</i>	400	867	440	144	160	80	120	1445
<i>Guinardia striata</i>	1760	2312	4640	720	640	200		
<i>Gyrodinium aureolum</i>	480	1445	1000	288				578
<i>Gyrodinium</i> spp.	1000	289	560	432	200	40		
<i>Helicostomella</i> spp.	880							289
<i>Heterocapsa triquetra</i>	40	1734	400					
<i>Laboea</i> sp.	200		240	144			40	
<i>Leptocylindrus danicus</i>	2760	17051	680	2592	1960	160	4760	220218
<i>Leptocylindrus mediterraneus</i>			80					
<i>Leptocylindrus minimus</i>							1920	
<i>Mesodinium rubrum</i>	5560	2601	3880	720	160	40	5440	5491
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>					40			
Pennate diatom			40	144	280		40	
<i>Polykrikos</i> spp.	160	289	560					
<i>Prorocentrum minimum</i>	280	867		144				289
<i>Prorocentrum</i> sp. (small)		289	40					
<i>Protoperidinium bipes</i>	40		120					
<i>Protoperidinium brevipes</i>	40							
<i>Protoperidinium punctulatum</i>	80		40					
<i>Protoperidinium</i> spp.	80	289						

5-Sep-06 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Protoperdinium steinii</i>			40					
<i>Pseudo-nitzschia americana</i>							240	
<i>Pseudo-nitzschia delicatissima</i> group	40		120		200	40	80	289
<i>Pseudo-nitzschia fraudulenta</i>	2720	13583	840	1872	320			867
<i>Pseudo-nitzschia pseudodelicatissima</i>					360	40		
<i>Pseudo-nitzschia pungens</i>	5600	10982	1880	1872	480	560		1445
<i>Pseudo-nitzschia seriata</i>	440	12716	480		80		80	
<i>Pseudo-nitzschia seriata</i> group				1008	280			
<i>Pseudo-nitzschia subpaeifica</i>				1008	280	80		
<i>Rhizosolenia imbricata</i>	80							
<i>Rhizosolenia setigera</i>					40		80	
<i>Scrippsiella</i> sp.	480	1156	520				40	
<i>Scrippsiella trochoidea</i>	520		480				40	
<i>Skeletonema costatum</i>	160				120	280	4280	
<i>Thalassionema nitzschioides</i>				144		120		
<i>Thalassiosira anguste-lineata</i>	40							
<i>Thalassiosira gravida</i>	1000	6936	120		40		40	
<i>Thalassiosira</i> spp.	40	289						
Tintinnida	9760	6936	6080	12240	600	40	480	3468
<i>Tintinnopsis</i> spp.							40	
Unarmoured dinoflagellate	1400	1734	960	3888	840	40	120	
12-Sep-06								
<i>Actinopterychus senarius</i>						320		
<i>Amphidinium carterae</i>	144	40	80					144
<i>Amphidinium sphenoides</i>	288	80	160	400				
<i>Apedinella radians</i>			80					
Armoured dinoflagellate	3456	1120	3280	480	96	120	144	2016
<i>Asterionellopsis glacialis</i>		40		40	192	40		
<i>Aulacoseira ambigua</i>						40		
Centric diatom					288			
<i>Cerataulina pelagica</i>			160				1440	13680
<i>Ceratium fusus</i>	288	40	80		96			
<i>Ceratium lineatum</i>	3168	1440	1520	200	192		144	4464
<i>Ceratium longipes</i>		80						
<i>Ceratium</i> spp.				320	96			
<i>Ceratium tripos</i>		80						576
<i>Chaetoceros contortus</i>			80	40				144
<i>Chaetoceros debilis</i>	1008	920	160	280				1440
<i>Chaetoceros decipiens</i>		40				40		
<i>Chaetoceros laciniosus</i>		40	80					
<i>Chaetoceros lorenzianus</i>				40				
<i>Chaetoceros similis</i>				40				
<i>Chaetoceros simplex</i>							144	
<i>Chaetoceros socialis</i>	3456	2440	160	200				576
<i>Chaetoceros</i> spp. (Hyalochaete)	432	640	160	160	384	160	288	864
<i>Commation cryoporinum</i>				120	96			
Copepoda	144	80					144	
<i>Corethron hystrix</i>	144	120			192			720
<i>Coscinodiscus</i> spp.		40		40				144
<i>Cylindrotheca closterium</i>	864	600	2320	1760	1920	520		288
<i>Dactyliosolen fragilissimus</i>	144	160	400				144	1584
<i>Dietyocha speculum</i>	144	80	400	40		40		3024

12-Sep-06 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Dinophysis acuminata</i>			80					864
<i>Dinophysis norvegica</i>		80						
<i>Dinophysis rotundata</i>		40						
<i>Ditylum brightwellii</i>	144					120		
<i>Ebria tripartita</i>	144		80				144	1152
<i>Eutreptiella</i> sp.	2736	680	1120	920	480		864	2304
<i>Gonyaulax digitale</i>		40						
<i>Gonyaulax spinifera</i>		160	400					
<i>Guinardia delicatula</i>	432	320	720	480	288	120	144	2016
<i>Guinardia flaccida</i>			320	40				144
<i>Guinardia striata</i>	9072	13040	25360	8320	7776	3080		4464
<i>Gyrodinium aureolum</i>	576	200	720	40				
<i>Gyrodinium</i> spp.		200	880	80	1152	160		144
<i>Helicostomella</i> spp.	288							
<i>Heterocapsa triquetra</i>	144							
<i>Laboea</i> sp.		40					144	
<i>Leptocylindrus danicus</i>	21456	5720	7680	3920	2304	120	93636	369963
<i>Leptocylindrus mediterraneus</i>			80		96			
<i>Leptocylindrus minimus</i>	144	80	80				288	
<i>Mesodinium rubrum</i>	14112	480	1840	840		80	1584	12672
<i>Micracanthodinium claytonii</i>				40				
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>				200		40		
<i>Odontella sinensis</i>	144					40		
<i>Paralia sulcata</i>			80			40		
Pennate diatom	432	360	400	160	768	40		
<i>Pleurosigma</i> / <i>Gyrosigma</i>								144
<i>Prorocentrum micans</i>								144
<i>Prorocentrum minimum</i>	1872	160	160					
<i>Prorocentrum</i> sp. (small)								144
<i>Protoperidinium bipes</i>		40						
<i>Protoperidinium</i> spp.	288		80					144
<i>Pseudo-nitzschia delicatissima</i> group				40	384	160		
<i>Pseudo-nitzschia fraudulenta</i>	720	1120	960	840	576	920		288
<i>Pseudo-nitzschia pseudodelicatissima</i>				80	96	80		
<i>Pseudo-nitzschia pungens</i>	576	600	480	360	768	280		1296
<i>Pseudo-nitzschia seriata</i>	432		1120					
<i>Pseudo-nitzschia seriata</i> group	432			160	2688	120		144
<i>Pseudo-nitzschia subpacifici</i>				600	576	160		
<i>Rhizosolenia imbricata</i>		80						
<i>Scrippsiella trochoidea</i>	144		80					144
<i>Skeletonema costatum</i>	864	200	160	40		120	288	
<i>Thalassionema nitzschioides</i>		40	80	40	1056	200		
<i>Thalassiosira baltica</i>				80				
<i>Thalassiosira gravida</i>	1008	320	160	80		120		
<i>Thalassiosira</i> sp. (tiny)			80	40				
<i>Thalassiosira</i> spp.		120	160	240	864			
Tintinnida	5040	360	400	760	672	80	288	1584
Unarmoured dinoflagellate	576	160	240	680	480			576
19-Sep-06								
<i>Alexandrium fundyense</i>			144				20	
<i>Amphidinium sphenoides</i>		578	144					
<i>Apedinella radians</i>		1156						

19-Sep-06 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Armoured dinoflagellate	1728	15606	2592				80	2023
<i>Asterionellopsis glacialis</i>		1156	4320					
<i>Cerataulina pelagica</i>	288	578						
<i>Ceratium fusus</i>							340	1156
<i>Ceratium lineatum</i>	1728	12138	12528				20	578
<i>Ceratium longipes</i>							160	3468
<i>Ceratium tripos</i>			144				40	
<i>Chaetoceros debilis</i>	2448	14450	6048				40	289
<i>Chaetoceros decipiens</i>			288					
<i>Chaetoceros laciniosus</i>		578					20	
<i>Chaetoceros lorenzianus</i>							60	
<i>Chaetoceros simplex</i>							240	867
<i>Chaetoceros socialis</i>	864	16184	6192				120	
<i>Chaetoceros</i> spp. (Hyalochacte)	144	578	5184				280	289
Copepoda			144				60	867
<i>Corethron hystrix</i>	576		288				120	578
<i>Coscinodiscus</i> spp.			576				20	
<i>Coscinodiscus wailesii</i>	144							
<i>Cylindrotheca closterium</i>	1008	1734					40	867
<i>Dictyocha speculum</i>			288				180	1156
<i>Dinophysis acuminata</i>	144	1156	144				40	867
<i>Dinophysis norvegica</i>			144					
<i>Dinophysis pulchella</i>		1156	288				60	867
<i>Ditylum brightwellii</i>			1152				80	
<i>Ebria tripartita</i>							20	578
<i>Eutreptiella</i> sp.	1872	23698	3168				220	16473
<i>Guinardia delicatula</i>	1872	1156	432				540	2890
<i>Guinardia flaccida</i>		578						289
<i>Guinardia striata</i>		578					80	578
<i>Gyrodinium aureolum</i>	288	1734	864					
<i>Gyrodinium</i> spp.	288	4046	720				120	867
<i>Helicostomella</i> spp.	288	578					40	
<i>Heterocapsa triquetra</i>	144	1734						289
<i>Laboea</i> sp.	288						120	1156
<i>Lauderia annulata</i>		578						
<i>Leptocylindrus danicus</i>	50286	59534	1152				61268	418472
<i>Leptocylindrus mediterraneus</i>			144					
<i>Leptocylindrus minimus</i>	576	578					120	578
<i>Mesodinium rubrum</i>	12672	15606	3600				1920	15606
<i>Odontella sinensis</i>	144		432					
Pennate diatom	144		576				80	
<i>Pleurosigma strigosum</i>			144					
<i>Prorocentrum minimum</i>	720	3468	288				60	1156
<i>Prorocentrum</i> sp. (small)	144							
<i>Protoperidinium bipes</i>			288					578
<i>Protoperidinium punctulatum</i>								289
<i>Protoperidinium</i> spp.	144	1156	144				20	289
<i>Pseudo-nitzschia americana</i>							60	
<i>Pseudo-nitzschia delicatissima</i> group	288							
<i>Pseudo-nitzschia fraudulenta</i>	2448	20230	9072					
<i>Pseudo-nitzschia pseudodelicatissima</i>			288					
<i>Pseudo-nitzschia pungens</i>	3456	26588	10224				80	867

19-Sep-06 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Pseudo-nitzschia seriata</i>	1728	4046	18144				40	
<i>Pseudo-nitzschia seriata</i> group	2448	8670						
<i>Rhizosolenia setigera</i>	144	578	144				120	289
<i>Scrippsiella trochoidea</i>	288	1156	144					
<i>Skeletonema costatum</i>		2312					560	578
<i>Thalassionema nitzschioides</i>	288	578	432					
<i>Thalassiosira gravida</i>	6912	46240	12960				40	
<i>Thalassiosira punctigera</i>	432	578						
<i>Thalassiosira</i> sp. (tiny)		578						
<i>Thalassiosira</i> spp.	144	578					20	289
Tintinnida	2592	9248	3312				620	10404
<i>Tintinnopsis</i> spp.							120	
Unarmoured dinoflagellate	864	5202	1152				20	867
26-Sep-06								
<i>Actinopterychus senarius</i>					576	320		60
<i>Alexandrium fundyense</i>						40		40
<i>Amphidinium carterae</i>				289	288			100
<i>Amphidinium sphenoides</i>	80				144			
<i>Apedinella radians</i>								20
Armoured dinoflagellate	240	864		867	144	40	40	1000
<i>Asterionellopsis glacialis</i>	1480	2160		10404	8208	3360		
Centric diatom					144			
<i>Cerataulina pelagica</i>				289		120	20	
<i>Ceratium fusus</i>								80
<i>Ceratium lineatum</i>	840	3888	12528	7514	1440	200		1700
<i>Ceratium longipes</i>		144						
<i>Ceratium minutum</i>				289				
<i>Ceratium tripos</i>								40
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>				289				
<i>Chaetoceros debilis</i>	1800	7632	6048	6358	3168	160		
<i>Chaetoceros decipiens</i>	80	576				280		
<i>Chaetoceros laciniosus</i>	40	288					40	
<i>Chaetoceros lorenzianus</i>					720	40		20
<i>Chaetoceros radicans</i>				289	144			
<i>Chaetoceros socialis</i>	240	5472		7225				
<i>Chaetoceros</i> spp. (Hyalochaete)	320	2880		6647	6336	560	60	
<i>Chaetoceros</i> spp. (Phaeoceros)					144			
Copepoda						40	20	100
<i>Corethron hystrix</i>	600	288		1156	720	440	40	120
<i>Coscinodiscus</i> spp.	320			289			40	20
<i>Coscinodiscus wailesii</i>				289	144			
<i>Cylindrotheca closterium</i>	320	720		289	576	520	20	80
<i>Dactyliosolen fragilissimus</i>				289		240	40	
<i>Dictyocha speculum</i>	40	288					20	320
<i>Dinophysis acuminata</i>	40							780
<i>Dinophysis norvegica</i>								20
<i>Dinophysis pulchella</i>								100
<i>Dinophysis rotundata</i>				289				
<i>Ditylum brightwellii</i>	120	288				200		
<i>Ebria tripartita</i>								20
<i>Eutreptiella</i> sp.	200	1440	3168	5780	720	80	140	400
<i>Grammatophora marina</i>						40		

26-Sep-06 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Guinardia delicatula</i>	120	144			288	240	20	
<i>Guinardia striata</i>						40		
<i>Gyrodinium aureolum</i>		144		867	144			20
<i>Gyrodinium</i> spp.	120	720		2312	1296	120	20	300
<i>Helicostomella</i> spp.	40							40
<i>Heterocapsa triquetra</i>								20
<i>Laboea</i> sp.					144		20	
<i>Lauderia annulata</i>				289				
<i>Leptocylindrus danicus</i>	440	864			1008		240	20
<i>Leptocylindrus mediterraneus</i>				289				
<i>Leptocylindrus minimus</i>	40							
<i>Mesodinium rubrum</i>	720	2448	3600		432	40	660	5360
<i>Micracanthodinium claytonii</i>				289				
<i>Navicula distans</i>	40							
<i>Odontella sinensis</i>	360	144		1156	576	200		20
Pennate diatom		144		867	144		20	
<i>Pleurosigma angulatum</i>							20	
<i>Pleurosigma strigosum</i>	80			289		40		
<i>Polykrikos</i> spp.								20
<i>Prorocentrum minimum</i>		1152			720			80
<i>Protoperidinium bipes</i>	80	288						
<i>Protoperidinium conicum</i>					144			
<i>Protoperidinium punctulatum</i>	40							60
<i>Protoperidinium</i> spp.		144						20
<i>Protoperidinium steinii</i>						40		
<i>Pseudo-nitzschia americana</i>	80	144						
<i>Pseudo-nitzschia delicatissima</i>	40							
<i>Pseudo-nitzschia fraudulenta</i>	1200	7200	9072	3179	6192	440		
<i>Pseudo-nitzschia pseudodelicatissima</i>	720	2448		10115	13824	760	20	
<i>Pseudo-nitzschia pungens</i>	1360	6768	10224	2601	1728	680		20
<i>Pseudo-nitzschia seriata</i>			18144					
<i>Pseudo-nitzschia seriata</i> group	2160	20736		867		920		40
<i>Pseudo-nitzschia subpaeifica</i>				21675	13104	4000		
<i>Rhizosolenia hebetata</i> f. <i>semispina</i>					144	80		
<i>Rhizosolenia setigera</i>	80						40	20
<i>Rhizosolenia</i> spp.							20	
<i>Scrippsiella trochoidea</i>				289				180
<i>Skeletonema costatum</i>	160	288		289			100	
<i>Stephanopyxis turris</i>		144						
<i>Thalassionema nitzschioides</i>	120	144		289	720	480		
<i>Thalassiosira baltica</i>		144				320		
<i>Thalassiosira gravida</i>	2200	6048	12960	8670	9072	2960	20	
<i>Thalassiosira punctigera</i>		288				40		
<i>Thalassiosira</i> sp. (tiny)				289	288			
<i>Thalassiosira</i> spp.	280			1156	144	400		80
Tintinnida	560	1296	1584	8670	1152	160	580	1300
<i>Tintinnopsis</i> spp.	40							
Unarmoured dinoflagellate	200	864		4913	288	40		180
3-Oct-06								
<i>Actinopterychus senarius</i>					772	480		
<i>Amphidinium carterae</i>			193					80
Armoured dinoflagellate	1008	576	772	289	386		40	480

3-Oct-06 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Asterionellopsis glacialis</i>	288	1296	2895	6358	7527	1440	20	
<i>Cerataulina pelagica</i>	288	576	193		193			
<i>Ceratium fusus</i>	144			289				
<i>Ceratium lineatum</i>	3312	2880	4632	7225		40		2160
<i>Ceratium tripos</i>	144							
<i>Chaetoceros constrictus</i>						40		
<i>Chaetoceros contortus</i>				578	193			
<i>Chaetoceros convolutus</i>					193			
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>		144						
<i>Chaetoceros debilis</i>	8064	10368	14861	21097				
<i>Chaetoceros decipiens</i>	576	720	965	1734		160		40
<i>Chaetoceros diadema</i>			2123					
<i>Chaetoceros filiformis</i>					193			
<i>Chaetoceros laciniosus</i>	288		193		193			
<i>Chaetoceros lorenzianus</i>					193		40	200
<i>Chaetoceros simplex</i>							60	
<i>Chaetoceros socialis</i>	2304	6336	6562		1158			520
<i>Chaetoceros</i> spp. (Hyalochaete)	1296	1440		8959	7334	720	20	40
<i>Chaetoceros</i> spp. (Phaeoceros)				289		40		
Copepoda		288	193					160
<i>Corethron hystrix</i>	432	720	772	1734	772	80	80	
<i>Coscinodiscus centralis</i>						40		
<i>Coscinodiscus</i> spp.	144	288	386	578			60	40
<i>Cylindrotheca closterium</i>	864	576	772	867	1930	360	20	120
<i>Dactylosolen fragilissimus</i>				1445	772			
<i>Dictyocha speculum</i>	144	144					100	3480
<i>Dinophysis acuminata</i>			193					1400
<i>Dinophysis norvegica</i>	288							40
<i>Dinophysis pulchella</i>								200
<i>Ditylum brightwellii</i>		288		1156		120		
<i>Eucampia zodiacus</i>	288							
<i>Eutreptiella</i> sp.	864	1296	772	2601			40	1440
<i>Favella</i> spp.								40
<i>Guinardia delicatula</i>	144	720	579	867		120		
<i>Guinardia flaccida</i>	144		193					80
<i>Guinardia striata</i>			193					
<i>Gyrodinium aureolum</i>	144	144	386	289				40
<i>Gyrodinium</i> spp.	144	144		867	193	160	60	400
<i>Helicostomella</i> spp.								40
<i>Laboea</i> sp.	144	144	386				60	
<i>Lauderia annulata</i>	144	288	193		579			
<i>Leptocylindrus danicus</i>	144	288	579			120		
<i>Leptocylindrus mediterraneus</i>		288						
<i>Mesodinium rubrum</i>	5760	5328	4632	867			780	3840
<i>Navicula distans</i>						40		
<i>Odontella sinensis</i>	432	288	579	1445	1158	400		
Pennate diatom	144		965			120	20	
<i>Pleurosigma angulatum</i>	144							
<i>Pleurosigma strigosum</i>			193	578	386	120		
<i>Polykrikos</i> spp.								40
<i>Prorocentrum micans</i>								40
<i>Prorocentrum minimum</i>	288	432						

3-Oct-06 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Protoperidinium bipes</i>			193					
<i>Protoperidinium</i> spp.			193					
<i>Protoperidinium steinii</i>				289				
<i>Pseudo-nitzschia americana</i>	576	720		289				
<i>Pseudo-nitzschia delicatissima</i> group				578				
<i>Pseudo-nitzschia fraudulenta</i>	5184	11952	22388	13583	4246	1480		
<i>Pseudo-nitzschia pseudodelicatissima</i>				27744			40	
<i>Pseudo-nitzschia pungens</i>	4464	5328	5211	578	2316	240		
<i>Pseudo-nitzschia seriata</i>								40
<i>Pseudo-nitzschia seriata</i> group	10224	13392	40723		965	640		
<i>Pseudo-nitzschia subpacifica</i>				22542	16405	2000	20	
<i>Rhabdonema</i> spp.	144							
<i>Rhizosolenia imbricata</i>	432			289	193			
<i>Rhizosolenia setigera</i>		144						
<i>Rhizosolenia</i> spp.			193					
<i>Skeletonema costatum</i>							180	
<i>Thalassionema nitzschioides</i>	432	864	193	867	1158	560		80
<i>Thalassiosira baltica</i>						120		
<i>Thalassiosira gravida</i>	6480	8640	18721	21386	7334	680		40
<i>Thalassiosira punctigera</i>								80
<i>Thalassiosira</i> sp. (tiny)						80		
<i>Thalassiosira</i> spp.			386		1737	280		
<i>Tintinnida</i>	2160	2016	1737	1156	193	80	1440	5800
<i>Tintinnopsis</i> spp.						40		40
Unarmoured dinoflagellate		432	193		579	80		240
10-Oct-06								
<i>Actinopterychus senarius</i>	240		432	120	440	440		200
<i>Amphidinium carterae</i>			144	120	80			
<i>Amphidinium sphenoides</i>	40				40			
Armoured dinoflagellate	120	864	1152	80	80	40		40
<i>Asterionellopsis glacialis</i>	160	432	432	40	40	160		80
Centric diatom					80	40		
<i>Ceratium lineatum</i>	360	432	2160	920	640	80	40	400
<i>Ceratium</i> spp.				360	120			
<i>Ceratium tripos</i>			576	80	80			
<i>Chaetoceros debilis</i>	920	7056	144					
<i>Chaetoceros decipiens</i>								40
<i>Chaetoceros furcellatus</i>								40
<i>Chaetoceros laciniosus</i>	120	144					20	
<i>Chaetoceros lorenzianus</i>		144						40
<i>Chaetoceros simplex</i>	80		144				240	40
<i>Chaetoceros socialis</i>	560	2016						
<i>Chaetoceros</i> spp. (Hyalochaete)	240	432			80	40		120
<i>Chaetoceros</i> spp. (Phaeoceros)					40			
Copepoda				40				
<i>Corethron hystrix</i>	240	1008	1296	480	520	160		120
<i>Coscinodiscus</i> spp.	40	720	1008	80		40	20	120
<i>Cylindrotheca closterium</i>	2360	4896	7776	1920	1720	1400	60	1000
<i>Dictyocha speculum</i>	160	144	432	280	240		80	440
<i>Dinophysis acuminata</i>		144	144	80				
<i>Diitylum brightwellii</i>	120		288		40	80		40
<i>Ebria tripartita</i>				80				

10-Oct-06 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Eutreptiella</i> sp.	160	1584	8784	880	440		140	200
<i>Guinardia delicatula</i>	40	144	576	40		40		
<i>Guinardia flaccida</i>				40	120			40
<i>Guinardia striata</i>		144						
<i>Gyrodinium aureolum</i>			864		40			
<i>Gyrodinium</i> spp.				120	120		20	200
<i>Gyrosigma tenuissimum</i>							20	
<i>Helicotheca tamesis</i>					80	40		40
<i>Heterocapsa triquetra</i>		144	144	40				
<i>Laboea</i> sp.		144			80		100	280
<i>Lauderia annulata</i>								40
<i>Lennoxia faveolata</i>							20	
<i>Leptocylindrus danicus</i>	80	144	144		40			
<i>Mesodinium rubrum</i>	4280	79632	4608	1360	200		3500	3400
<i>Navicula distans</i>			144					
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>					80	40		
<i>Odontella sinensis</i>	400	1152	864	280	120	40	60	120
<i>Paralia sulcata</i>	80				40			40
Pennate diatom	320	1440	3600	320	960	400	60	160
<i>Pleurosigma angulatum</i>	40							
<i>Pleurosigma strigosum</i>	40				120			40
<i>Porosira glacialis</i>		288				40		
<i>Proocentrum minimum</i>			1728	480				40
<i>Protoperidinium</i> spp.		144	144			40		
<i>Pseudo-nitzschia americana</i>	40	576	144				20	
<i>Pseudo-nitzschia delicatissima</i> group	40		288	40	160	80		
<i>Pseudo-nitzschia fraudulenta</i>	360	1440	864	160		880	40	
<i>Pseudo-nitzschia pseudodelicatissima</i>	560		1728	40	240	600	100	
<i>Pseudo-nitzschia pungens</i>	40	432	288					80
<i>Pseudo-nitzschia seriata</i>	840	2304	2880					1080
<i>Pseudo-nitzschia seriata</i> group				960		80		
<i>Pseudo-nitzschia subpaeifica</i>				280	960			
<i>Rhizosolenia imbricata</i>		144						
<i>Rhizosolenia setigera</i>							120	
<i>Skeletonema costatum</i>	120	144	576			40	200	120
<i>Thalassionema nitzschioides</i>	640	2160	3024	880	1680	1400	160	360
<i>Thalassiosira baltica</i>				320		160		
<i>Thalassiosira gravida</i>	360	1584						120
<i>Thalassiosira punctigera</i>	240	288		120			20	80
<i>Thalassiosira</i> sp. (tiny)	120	576	144			80		
<i>Thalassiosira</i> spp.		864	576	160	360	760		40
Tintinnida	520	6048	5760	2760	720	80	180	120
<i>Tintinnopsis</i> spp.	120	144		40	80			
Unarmoured dinoflagellate	40	144	576	520	400	200	20	80
17-Oct-06								
<i>Actinopterychus senarius</i>	960	560	580	440	200	440	40	
<i>Amphidinium carterae</i>	80				40	40		80
<i>Amphidinium spheonoides</i>				80	80	40		
Armoured dinoflagellate	40	40		40			20	440
<i>Asterionellopsis glacialis</i>	40	1000	80	160	160	40	60	
Centric diatom		200	100					80
<i>Ceratium lineatum</i>	120	40	200	320	80		140	2600

17-Oct-06 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Ceratium longipes</i>				40				
<i>Ceratium</i> spp.	40							
<i>Ceratium tripos</i>							40	
<i>Chaetoceros debilis</i>	200	1120	60				20	120
<i>Chaetoceros decipiens</i>			40					
<i>Chaetoceros lorenzianus</i>	80	40		40			80	160
<i>Chaetoceros similis</i>							60	
<i>Chaetoceros simplex</i>				40				80
<i>Chaetoceros</i> spp. (Hyalochaete)	200	360	40	40	80			80
<i>Commation cryoporinum</i>						40		
Copepoda				80			20	80
<i>Corethron hystrix</i>	240	600	260	480	120	280	60	40
<i>Coscinodiscus</i> spp.	40			40	40		40	
<i>Cylindrotheca closterium</i>	1720	5120	2180	2800	560	800	120	680
<i>Dictyocha speculum</i>	200	280	240	440	280		180	3920
<i>Dinophysis acuminata</i>			40				40	960
<i>Dinophysis norvegica</i>		40						
<i>Dinophysis rotundata</i>								40
<i>Dinophysis</i> spp.					80			
<i>Ditylum brightwellii</i>	80	600	20			80	20	
<i>Ebria tripartita</i>			20					
<i>Eutreptiella</i> sp.	200	120	420	560	120		160	160
<i>Favella</i> spp.							20	
<i>Guinardia delicatula</i>		40						
<i>Gyrodinium aureolum</i>								40
<i>Gyrodinium</i> spp.				40	120	80	40	40
<i>Gyrosigma fasciola</i>							60	
<i>Gyrosigma tenuissimum</i>						40		
<i>Helicostomella</i> spp.							20	
<i>Helicotheca tamesis</i>					40		20	
<i>Heterocapsa triquetra</i>								40
<i>Laboea</i> sp.	40			80			760	
<i>Lauderia annulata</i>		80						
<i>Lennoxia faveolata</i>		80					20	80
<i>Leptocylindrus danicus</i>		80	20					
<i>Leptocylindrus minimus</i>	40	80						80
<i>Mediopyxis helysia</i>		40						
<i>Melosira moniliformis</i>							20	
<i>Mesodinium rubrum</i>	6400	360	440	280			3760	34760
<i>Navicula distans</i>							20	
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>		120	20	80				
<i>Odontella sinensis</i>	400	320	300	240	80	80		
<i>Paralia sulcata</i>	40			40				
Pennate diatom	240	1240	400	1120	320	200	20	
<i>Pleurosigma</i> / <i>Gyrosigma</i>							20	
<i>Pleurosigma angulatum</i>			20					
<i>Pleurosigma strigosum</i>		80						
<i>Polykrikos</i> spp.								120
<i>Prorocentrum micans</i>	40		20					
<i>Prorocentrum minimum</i>				200	40			
<i>Prorocentrum</i> sp. (small)							20	40
<i>Protoperidinium crassipes</i>								40

17-Oct-06 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Protoperidinium</i> spp.				40				
<i>Pseudo-nitzschia americana</i>	80	360	100				20	120
<i>Pseudo-nitzschia delicatissima</i>		240						
<i>Pseudo-nitzschia delicatissima</i> group	40		40	40			80	40
<i>Pseudo-nitzschia fraudulenta</i>		200						
<i>Pseudo-nitzschia pseudodelicatissima</i>	280	1040			80			
<i>Pseudo-nitzschia pungens</i>					120			200
<i>Pseudo-nitzschia seriata</i> group			540					
<i>Pseudo-nitzschia subpacifica</i>		480	40	80	40	240	20	240
<i>Rhizosolenia setigera</i>							40	
<i>Scrippsiella</i> sp.								40
<i>Scrippsiella trochoidea</i>							40	
<i>Skeletonema costatum</i>	160	1960	160	40	80		240	
<i>Thalassionema nitzschioides</i>	1000	5480	1600	2120	480	1240	180	960
<i>Thalassiosira anguste-lineata</i>		40						
<i>Thalassiosira baltica</i>				200	40			
<i>Thalassiosira gravida</i>	40	720		40				40
<i>Thalassiosira oestrupii</i>	80							
<i>Thalassiosira punctigera</i>	120		220	120			80	280
<i>Thalassiosira</i> sp. (tiny)		3080	40	160		200		
<i>Thalassiosira</i> spp.	600	1800	180	600		160	120	120
Tintinnida	680	80	300	680		120	1400	1640
<i>Tintinnopsis</i> spp.				1040	400			
Unarmoured dinoflagellate	160			200				280
24-Oct-06								
<i>Actinopterychus senarius</i>	180	420	520	840	320	240	120	300
<i>Amphidinium carterae</i>	20	20					40	20
<i>Amphidinium sphenoides</i>					40			
<i>Apedinella radians</i>								20
Armoured dinoflagellate		80	80		80			20
<i>Asterionellopsis glacialis</i>	100	20	120	80	80			
<i>Aulacoseira ambigua</i>			1440					
<i>Biddulphia alternans</i>	40							
Centric diatom	80	40	320				100	
<i>Ceratium fusus</i>	40							
<i>Ceratium lineatum</i>	160	80	160	40	200		40	340
<i>Ceratium macroceros</i>				40				
<i>Ceratium tripos</i>				80				
<i>Chaetoceros constrictus</i>								60
<i>Chaetoceros debilis</i>		80						80
<i>Chaetoceros decipiens</i>					40			
<i>Chaetoceros diadema</i>	20							
<i>Chaetoceros didymus</i>	40							60
<i>Chaetoceros filiformis</i>		20						
<i>Chaetoceros laciniosus</i>	40							
<i>Chaetoceros lorenzianus</i>					40			160
<i>Chaetoceros simplex</i>					40		100	20
<i>Chaetoceros socialis</i>			200					60
<i>Chaetoceros</i> spp. (Hyalochaete)	120		80		80		20	140
Copepoda		60		80			20	20
<i>Corethron hystrix</i>	140	140	440	280	80	80	80	140
<i>Coscinodiscus</i> spp.	20	60					20	60

24-Oct-06 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Cylindrotheca closterium</i>	740	860	1280	1480	1440	400	60	480
<i>Dactyliosolen fragilissimus</i>				40				40
<i>Dictyocha speculum</i>	260	20	80	320	280		140	640
<i>Dinophysis acuminata</i>	20			40	40			80
<i>Ditylum brightwellii</i>	160	100	120	240	520	280	20	40
<i>Ebria tripartita</i>		20				40		
<i>Eutreptiella</i> sp.			40	160	120	80	40	20
<i>Guinardia delicatula</i>					40			20
<i>Gyrodinium</i> spp.	20	100		80	80	80		
<i>Gyrosigma tenuissimum</i>	20					40		
<i>Helicotheca tamesis</i>		40			40			20
<i>Heterocapsa triquetra</i>					40			
<i>Laboea</i> sp.	120	100	200	80	40		220	160
<i>Lennoxia faveolata</i>								140
<i>Leptocylindrus danicus</i>	40		40					
<i>Leptocylindrus minimus</i>							20	
<i>Licmophora</i> spp.							40	
<i>Mesodinium rubrum</i>	1760	2500	3760	560	720		900	4120
<i>Navicula distans</i>	40	40	40	80	40			20
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>	20	20						
<i>Odontella sinensis</i>	100	60	40		80	80		40
Pennate diatom	120	240	200	80	160	40	100	140
<i>Pleurosigma</i> / <i>Gyrosigma</i>	20							
<i>Pleurosigma angulatum</i>	20							
<i>Pleurosigma strigosum</i>		20						20
<i>Polykrikos</i> spp.								20
<i>Prorocentrum minimum</i>		20		40				20
<i>Prorocentrum</i> sp. (small)					40			40
<i>Protoperidinium</i> spp.	20							
<i>Pseudo-nitzschia americana</i>	60	60	40					380
<i>Pseudo-nitzschia delicatissima</i>				40				
<i>Pseudo-nitzschia delicatissima</i> group	40	80	120			80		
<i>Pseudo-nitzschia fraudulenta</i>		60				160		
<i>Pseudo-nitzschia pseudodelicatissima</i>				80	40			
<i>Pseudo-nitzschia pungens</i>	20							
<i>Pseudo-nitzschia seriata</i> group		20						20
<i>Pseudo-nitzschia subpacific</i>	20			120				
<i>Rhizosolenia setigera</i>	20						80	120
<i>Skeletonema costatum</i>	60	440	40	80	40		20	80
<i>Thalassionema nitzschioides</i>	480	500	680	800	1240	360	60	580
<i>Thalassiosira baltica</i>				200		40		
<i>Thalassiosira gravida</i>		60						
<i>Thalassiosira punctigera</i>	40	120		320	120		80	960
<i>Thalassiosira</i> sp. (tiny)		40						
<i>Thalassiosira</i> spp.	240	100	240	40	280	280		80
Tintinnida	380	220	280	440	160	40	160	380
<i>Tintinnopsis</i> spp.				160	280	120		
Unarmoured dinoflagellate				200	160	120	40	20
31-Oct-06								
<i>Actinopterychus senarius</i>	300		560	560	680	80	120	
<i>Amphidinium carterae</i>	20						20	
<i>Amphidinium sphenoides</i>			20					

31-Oct-06 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Armoured dinoflagellate	20							
<i>Asterionellopsis glacialis</i>			80			40		
<i>Aulacoseira ambigua</i>	20		400					
Centric diatom	100		60		80			
<i>Ceratium lineatum</i>	60		160	80	120	40	120	
<i>Ceratium tripos</i>				40				
<i>Chaetoceros constrictus</i>			20					
<i>Chaetoceros decipiens</i>				40				
<i>Chaetoceros laciniatus</i>					40			
<i>Chaetoceros lorenzianus</i>							20	
<i>Chaetoceros similis</i>							60	
<i>Chaetoceros</i> spp. (Hyalochaete)	40		20					
Copepoda	20						60	
<i>Corethron hystrix</i>	60		220	560	160	120	80	
<i>Coscinodiscus</i> spp.			20				20	
<i>Cylindrotheca closterium</i>	360		1500	1120	1000	560	160	
<i>Dictyocha fibula</i>			20					
<i>Dictyocha speculum</i>	120		160	160	80			
<i>Dinophysis acuminata</i>				40			20	
<i>Ditylum brightwellii</i>	160		220	1120	360	440		
<i>Eutreptiella</i> sp.	20		40	80	40		20	
<i>Guinardia delicatula</i>					40	40		
<i>Gyrodinium aureolum</i>			20					
<i>Gyrodinium</i> spp.	80					40		
<i>Gyrosigma tenuissimum</i>							40	
<i>Helicotheca tamesis</i>	20			120				
<i>Laboea</i> sp.	160		200	40			240	
<i>Leptocylindrus danicus</i>			40					
<i>Mesodinium rubrum</i>	1920		4460	200	440		2600	
<i>Micracanthodinium claytonii</i>						40		
<i>Navicula distans</i>	20							
<i>Odontella sinensis</i>	60		40	40	40	40	20	
<i>Paralia sulcata</i>				40			20	
Pennate diatom	40		360	40	360		20	
<i>Pleurosigma angulatum</i>						40		
<i>Prorocentrum micans</i>			40					
<i>Protoperidinium</i> spp.	20							
<i>Pseudo-nitzschia delicatissima</i> group				80	40	40		
<i>Pseudo-nitzschia pungens</i>						40		
<i>Pseudo-nitzschia seriata</i> group	20		160			40		
<i>Pseudo-nitzschia subpacific</i>						160		
<i>Rhizosolenia hebetata</i> f. <i>semispina</i>			20					
<i>Rhizosolenia setigera</i>			40				20	
<i>Rhizosolenia</i> spp.					40			
<i>Rhizosolenia styliformis</i>						40		
<i>Skeletonema costatum</i>	120		40	80		40	20	
<i>Thalassionema nitzschioides</i>	320		800	640	480	200	140	
<i>Thalassiosira baltica</i>					120	120		
<i>Thalassiosira gravida</i>			20					
<i>Thalassiosira punctigera</i>	120		140	120	200		100	
<i>Thalassiosira</i> spp.	280		80	280	360		60	
Tintinnida	240		60	80	320		60	

31-Oct-06 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Tintinnopsis</i> spp.					80	40		
Unarmoured dinoflagellate	20		20		40		40	
16-Nov-06								
<i>Actinopterychus senarius</i>	40	160		80		200	40	
<i>Amphidinium carterae</i>	120	40						120
<i>Amphidinium sphenoides</i>			20					
Armoured dinoflagellate	200		80	160	40	40		600
<i>Asterionella formosa</i>							60	
<i>Asterionellopsis glacialis</i>			80	80				
<i>Aulacoseira ambigua</i>				80	40	40		
<i>Aulacoseira granulata</i>		20						
Centric diatom				40	40	40	20	40
<i>Ceratium lineatum</i>	40	40	40	40				200
<i>Ceratium</i> spp.			40					
<i>Ceratium tripos</i>	40		20					
<i>Chaetoceros debilis</i>		20						40
<i>Chaetoceros lorenzianus</i>				40				
<i>Chaetoceros</i> spp. (Hyalochaete)							60	80
<i>Commation cryoporinum</i>	20							
Copepoda	60							120
<i>Corethron hystrix</i>	40	80	60	160		80		40
<i>Coscinodiscus</i> spp.		100	20	40				40
<i>Cylindrotheca closterium</i>	840	680	680	1160	1400	480	60	520
<i>Dictyocha speculum</i>	100	60	60	80	40			280
<i>Dinobryon</i> spp.							80	
<i>Dinophysis acuminata</i>								560
<i>Dinophysis norvegica</i>			20					
<i>Ditylum brightwellii</i>	560	540	380	440	640	600	40	400
<i>Ebria tripartita</i>								40
<i>Entomoneis</i> spp.		20						
<i>Eutreptiella</i> sp.	440		200					440
<i>Guinardia delicatula</i>	20		60	120	40	40		
<i>Gyrodinium</i> spp.	280	20	140					200
<i>Gyrosigma fasciola</i>	20					40		
<i>Gyrosigma tenuissimum</i>							20	
<i>Helicotheca tamesis</i>							20	
<i>Heterocapsa triquetra</i>	100		60					160
<i>Laboea</i> sp.	320		320					1400
<i>Leptocylindrus danicus</i>	20		20		40	40		
<i>Leptocylindrus mediterraneus</i>			20					
<i>Leptocylindrus minimus</i>				40			40	
<i>Mesodinium rubrum</i>	6720	320	5000	40			520	14160
<i>Navicula distans</i>	40	20	40			40		40
<i>Navicula transitans</i> var. <i>derasa</i>	20		20	40				
<i>Notholca</i> spp.			20					
<i>Odontella sinensis</i>	20	20	40	40	40			
<i>Paralia sulcata</i>						40		
Pennate diatom	120	160	100	160	240	40	100	40
<i>Pleurosigma</i> / <i>Gyrosigma</i>	20						20	
<i>Pleurosigma angulatum</i>								40
<i>Pleurosigma strigosum</i>					40			
<i>Prorocentrum micans</i>	80		60					40

16-Nov-06 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Prorocentrum minimum</i>	120	80	180	40			40	
<i>Protoperidinium excentricum</i>			20					
<i>Protoperidinium</i> spp.			380				20	
<i>Pseudo-nitzschia delicatissima</i> group	40	80	40	40	40	40	60	
<i>Pseudo-nitzschia fraudulenta</i>				40				
<i>Pseudo-nitzschia pseudodelicatissima</i>		60		80				
<i>Pseudo-nitzschia pungens</i>				40	40			
<i>Pseudo-nitzschia seriata</i> group		20						
<i>Pseudo-nitzschia subpacifica</i>	20							
<i>Scrippsiella</i> sp.	20							
<i>Skeletonema costatum</i>	20	40	100					80
<i>Thalassionema nitzschioides</i>	100	120	80	280	360	360		120
<i>Thalassiosira baltica</i>					40		20	
<i>Thalassiosira gravida</i>	20	20				40		
<i>Thalassiosira punctigera</i>						40		120
<i>Thalassiosira</i> spp.	40	100	120	160	120	40		40
<i>Tintinnida</i>	1440	20	320	200	280	40	20	2720
Unarmoured dinoflagellate	260	80	200	200	40			2000
12-Dec-06								
<i>Actinopteryx senarius</i>	60	120			80	520	40	
<i>Amphidinium carterae</i>			20	40				20
Armoured dinoflagellate	20		60		40			60
<i>Asterionellopsis glacialis</i>		20				40		
<i>Aulacoseira ambigua</i>					40			
<i>Biddulphia alternans</i>	20							
Centric diatom	40	20	40					40
<i>Cerataulina pelagica</i>						40		
<i>Chaetoceros debilis</i>			60					
<i>Chaetoceros</i> spp. (Hyalochaete)	40							40
<i>Chaetoceros</i> spp. (Phaeoceros)	20							
Copepoda								40
<i>Corethron hystrix</i>	20	60		40				40
<i>Coscinodiscus</i> spp.	20			40				
<i>Cylindrotheca closterium</i>	240	800	400	960	760	640	240	720
<i>Dictyocha speculum</i>	20		40	40		40	20	40
<i>Dinophysis acuminata</i>			20					40
<i>Ditylum brightwellii</i>	220	300	300	400	200	320	120	160
<i>Eutreptiella</i> sp.								20
<i>Guinardia delicatula</i>		40	40		80	80	20	20
<i>Guinardia striata</i>		20						
<i>Gyrodinium</i> spp.	100	40		160	80	40	40	20
<i>Laboea</i> sp.	20							
<i>Lemnoxia faveolata</i>		40						
<i>Leptocylindrus danicus</i>			20	40				
<i>Leptocylindrus minimus</i>	20	20						
<i>Mediopyxis helysia</i>						40		
<i>Mesodinium rubrum</i>	400	240	240			40	320	880
<i>Navicula distans</i>		40	20			40	20	20
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>					40			
<i>Odontella aurita</i>			20					
<i>Odontella sinensis</i>		40	20			40		
<i>Paralia sulcata</i>						80		

12-Dec-06 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Pennate diatom	120	40	80	40	240	240	20	40
<i>Pleurosigma angulatum</i>				80	40			
<i>Pleurosigma strigosum</i>		20	20			40	20	
<i>Protoperdinium</i> spp.		20						
<i>Pseudo-nitzschia delicatissima</i>			20					
<i>Pseudo-nitzschia delicatissima</i> group		100		80	120	40	40	80
<i>Pseudo-nitzschia pseudodelicatissima</i>		40						60
<i>Rhizosolenia hebetata</i> f. <i>semispina</i>	20							
<i>Rhizosolenia setigera</i>			20					
<i>Skeletonema costatum</i>	40	120	40	40			40	20
<i>Thalassionema nitzschioides</i>	60	100	40	440	40	200	40	20
<i>Thalassiosira baltica</i>					80	40		
<i>Thalassiosira gravida</i>	20	40	20	40		40		20
<i>Thalassiosira punctigera</i>		40	20		40			20
<i>Thalassiosira</i> sp. (tiny)			20					
<i>Thalassiosira</i> spp.	40	180	60	80	200	80	20	60
Tintinnida	80	20	60	40		120	60	140
Unarmoured dinoflagellate	20	40		80	80	40		80